RCA

TV/DVD
User's Guide

Changing Entertainment. Again.

A THOMSON BRAND

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CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the partly responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

CAUTION:
THIS DIGITAL VIDEO PLAYER EMPLOYS A LASER SYSTEM.

TO ENSURE PROPER USE OF THIS PRODUCT, PLEASE READ THIS USER'S GUIDE CAREFULLY AND RETAIN FOR FUTURE REFERENCE. SHOULD THE UNIT REQUIRE MAINTENANCE, CONTACT AN AUTHORIZED SERVICE LOCATION-SEE SERVICE PROCEDURE.

USE OF CONTROLS, ADJUSTMENTS OR THE PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

TO PREVENT DIRECT EXPOSURE TO LASER BEAM, DO NOT TRY TO OPEN THE ENCLOSURE. VISIBLE LASER RADIATION MAY BE PRESENT WHEN THE ENCLOSURE IS OPENED. DO NOT STARE INTO BEAM.

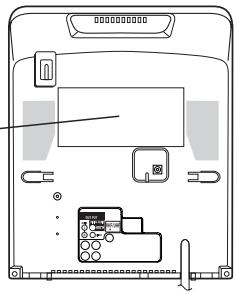
Product Registration
Please fill out the product registration card (packed separately) and return it immediately. For U.S. customers: Your RCA Consumer Electronics product may also be registered at www.rca.com/productregistration. Registering this product allows us to contact you if needed.

Product Information
Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers. These numbers are located on the product.
Model No. _____ Serial No. _____ Purchase Date: _____
Dealer/Address/Phone: _____

Note:
This device is protected by U.S. patent numbers 4,631,603 and 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

Location of the required Marking
The rating sheet and the safety caution are on the rear of the unit.

CERTIFICATION: COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J.



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IMPORTANT SAFEGUARDS

1. **READ INSTRUCTIONS**
   All the safety and operating instructions should be read before the unit is operated.
2. **RETAIN INSTRUCTIONS**
   The safety and operating instructions should be retained for future reference.
3. **HEED WARNINGS**
   All warnings on the unit and in the operating instructions should be adhered to.
4. **FOLLOW INSTRUCTIONS**
   All operating and use instructions should be followed.
5. **CLEANING**
   Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning the exterior cabinet only.
6. **ATTACHMENTS**
   The manufacturer of this unit does not make any recommendations for attachments, as they may cause hazards.
7. **WATER AND MOISTURE**
   Do not use this unit near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
8. **ACCESSORIES**
   Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury, and serious damage to the unit.

PORTABLE CART WARNING
(symbol provided by RETAC)

S3126A

8A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

9. **VENTILATION**
   Slots and openings in the cabinet back or bottom are provided for ventilation, and to ensure reliable operation of the unit, and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installations such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. **POWER SOURCES**
    This unit should be operated only from the type of power source indicated on the rating plate. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.
11. **GROUNDING OR POLARIZATION**
    This unit is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug, if your unit is equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This too, is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet.
    Do not defeat the safety purpose of the grounding-type plug.

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12. POWER-CORD PROTECTION
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. LIGHTNING
To protect your unit from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

14. POWER LINES
An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

15. OVERLOADING
Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.

16. OBJECT AND LIQUID ENTRY
Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

17. OUTDOOR ANTENNA GROUNDING
If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

18. SERVICING
Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. DAMAGE REQUIRING SERVICE
Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. When the power-supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the unit.
c. If the unit has been exposed to rain or water.
d. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.
e. If the unit has been dropped or the cabinet has been damaged.
f . When the unit exhibits a distinct change in performance, this indicates a need for service.

20. REPLACEMENT PARTS
When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part.
Unauthorized substitutions may result in fire, electric shock or other hazards.

21. SAFETY CHECK
Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

22. HEAT
The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

23. DISC TRAY
Keep your fingers clear of the disc tray as it is closing. It may cause serious personal injury.

24. CONNECTING
When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

25. SOUND VOLUME
Reduce the volume to the minimum level before you turn on the product. Otherwise, sudden high volume sound may cause hearing or speaker damage.

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26. SOUND DISTORTION

Do not allow the product to output distorted sound for an extended period of time. It may cause speaker overheating and fire.

27. HEADPHONES

When you use the headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

28. LASER BEAM

Do not look into the opening of the disc tray or ventilation opening of the product to see the source of the laser beam. It may cause eye damage.

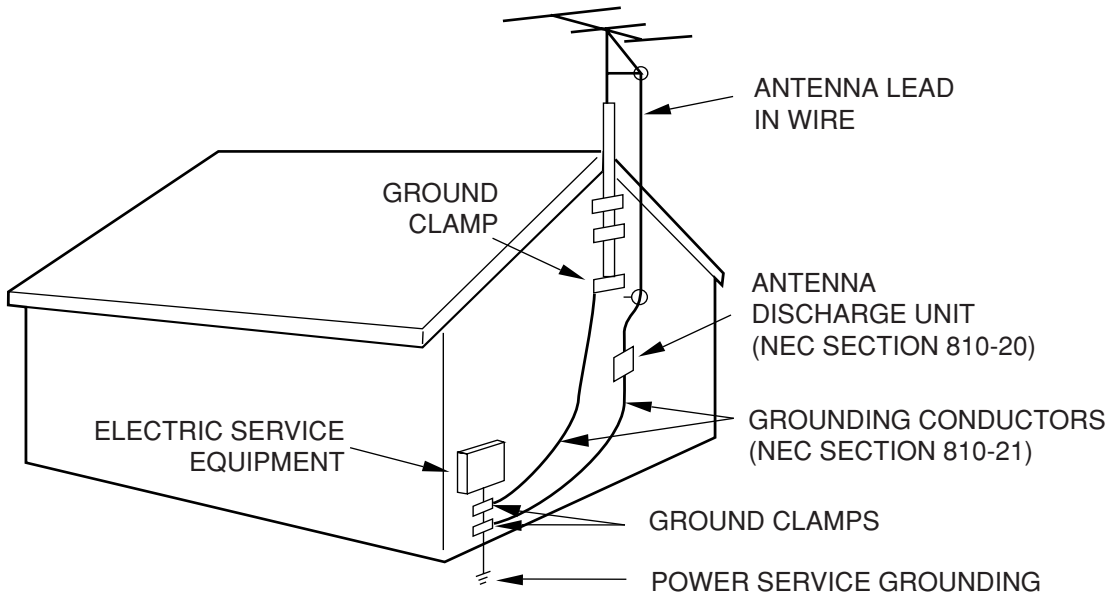
29. DISC

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

30. NOTE TO CABLE SYSTEM INSTALLER

This reminder is provided to call the CABLE system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

EXAMPLE OF ANTENNA GROUNDING AS PER THE NATIONAL ELECTRICAL CODE


ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
NEC-NATIONAL ELECTRICAL CODE

S2898A

CONDENSATION

Moisture will form in the operating section of the player if the player is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, player's performance will be impaired.

To prevent this, let the player stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the player is exposed to the breeze from an air conditioner. In such cases, change the location of the player.

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Features

Color TV With DVD/CD player

Unique space saving design combines a 9" color TV and a DVD/CD player.
The DVD disc has much more capacity, but is the same size as the audio CD disc. Picture/Audio quality of the DVD exceeds other software. Picture quality is higher than Super VHS. Audio quality is higher than audio CD. The DVD also has special options; audio language selection, subtitle language selection or multi-angle, etc.
The DVD PLAYER can play back audio CDs.

High Quality Picture

Horizontal Resolution
More than 500 lines. It exceeds Super VHS (400 lines) or Laser Disc (430 lines) in resolution.

Compatible with a wide range of DVD audio outputs

Digital Audio Jack (Coaxial)
- When a component with a built-in Dolby Digital decoder is connected, Dolby Digital sound can produce the effect of being in a movie theatre or a concert hall.
- Surround standard different from Dolby Digital. This format is already in use in many theatres. By connecting this unit to a DTS decoder or an AV amplifier with a built-in DTS decoder, the DTS audio of DVD discs recorded in this format can be enjoyed. However, audio will not be output from the analog audio output jacks.
- By connecting this unit to an AV amplifier with a built-in MPEG decoder, the MPEG audio of DVD discs recorded in this format can be enjoyed.
- The Linear PCM sound of a 48 kHz/24 bit through 96 kHz/24 bit exceeds audio CD sound.

Convenience Features

Direct selection of your desired scenes using Title/Chapter/Time/Track - You can play back from the desired scene.
Recalling Up to 3 Scenes (DVD only) - You can program up to 3 scenes in memory and recall the marked scenes.
Frame Advance - The **PAUSE/STILL** moves one frame at a time.
Slow Motion - The **SLOW** moves you back and forth through the program by 4 steps of 1/7-1/2 times.
Repeat Playback - You can repeat chapter, track, title, sides or material between two selected points.
Program Playback (Audio CD) - You can play back tracks in programmed sequences.
Zoom (DVD only) - You can zoom in the selected subject on the screen during playback.

Note: Make sure that discs are suitable for the following functions.
Multi-Language - Maximum 32 language subtitles and maximum 8 language soundtracks can be played back for movies or programes.
Multi-Angle - Pictures of Sports or a Live Concert are recorded with many cameras. When you play such a disc, you can change the angles during playback.
Parental Control - You can limit the play back of scenes or sounds of adult DVD discs which have parental level.
Video Aspect Ratio - You can change the aspect ratio of the screen for your monitor.

TV Features

120V AC or DC Operation - This TV/DVD is designed to operate from household AC current or from a 12V DC car cigarette lighter socket.
181 Channel Tuner - Receives standard VHF and UHF broadcast channels and up to 113 cable channels. The actual number of channels received depends upon channel reception in your area or your cable system.
Closed Caption Decoder With Full Text Mode - Displays text captions or full screen text on the screen for hearing impaired viewers.
Picture Adjustments Using The Remote Control - The On-Screen display allows precise remote control adjustment of BRIGHTNESS, CONTRAST, COLOR, TINT and SHARPNESS.
Programmable TV Sleep Timer - Operable from the remote control, the TV can be programmed up to 120 minutes to turn off automatically.
On-Screen 3 Language Display - You can select one of 3 languages, English, Spanish or French for on-screen programming.
V-Chip - The V-Chip function can read the rating of a TV program or movie content if the program is encoded with this information. V-chip will allow you to set a restriction level.

* This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

* Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

* “DTS” and “DTS Digital Out” are trademarks of Digital Theater Systems, Inc.

* Unauthorized recording of copyrighted television programs, films, video cassettes and other materials may infringe the rights of copyright owners and be contrary to copyright laws.

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Safety precautions

WARNING!

INSTALL THE TV/DVD IN YOUR CAR

- For a car equipped with air bags, be sure to follow the manufacturer's instructions whenever performing any electrical wiring work. Incorrect wiring can cause the air bag system of a car to malfunction.
- Never cut the insulation from the power supply lead in an attempt to draw power for another device. Doing so can overload the current capacity of the lead, creating the danger of fire and electric shock.
- For proper installation and wiring special technical knowledge is required. If you have any doubts about where to position or how to install components, contact the retailer where you purchased the product, your automobile dealership, or an automotive service provider. Note that you will be charged separately for installation work.
- Use all of the components that come with this product only as directed. Improper use of components can damage interior components or result in improper anchoring of components, which creates the danger of accident and personal injury.
- Improper installation creates the danger of fire and accident.
- Take care so wires are not pinched between chassis parts, by screws or by the seat as it slides on its rails, etc. Such conditions can cut wires and cause shorts, creating the danger of accident, electric shock, and fire.
- Avoid installation in areas subject to strong vibration and areas where secure anchoring cannot be achieved. Components installed in such areas can work loose, creating the danger of accident and personal injury.
- Never install the TV/DVD on the dashboard or in any other location where it obstructs forward vision.
- Never attach the stand to the roof of your car. Doing so creates the danger of the TV/DVD falling down.
- Never attach the stand to a sharply angled surface or to a surface that causes the TV/DVD to face downwards. Such installation can cause the TV/DVD to fall.
- Be sure to turn the ignition key of the car to the "OFF" position before connecting or disconnecting wires and cables. Failure to do so creates the danger of electric shock and personal injury.

DRIVING SAFETY

- Never watch the TV/DVD or try to adjust settings while driving. Doing so creates the danger of traffic accident. Before operating the TV/DVD, be sure to stop the car in a safe area.
- Never install the TV/DVD on the dashboard or in any other location where it obstructs forward vision. Items that obstruct forward vision in a motor car may be illegal.
  Also, make sure that all components are installed where they do not interfere with operation of the steering wheel, shift lever, brake pedal, etc., for example under the driver's seat, and where they do not endanger passengers. Improper installation creates the danger of traffic accident and personal injury.
- Make sure all cables are bundled together so they do not interfere with car operation, as described in this manual. Improperly installed cables create the danger of entanglement with the steering wheel, shift lever, brake pedal, etc.

IMPORTANT NOTES:

- The TV/DVD is designed for use with a 12V DC automotive power supply. Never use it in a truck, bus, or any other car that has a 24V power supply.
- Be sure to stop your car in a safe area before watching or adjusting the TV/DVD.
- Operating the TV/DVD for a long time with the engine of your car stopped can run down your car's battery.
- Never leave the TV/DVD in areas exposed to temperature extremes or strong direct sunlight. Leaving it in a closed car, in direct sunlight, near a heater, etc. can cause deformation of the case. Using this product in areas that are colder than 5°C (41°F) or hotter than 40°C (104°F) can result in poor image quality.
- Never use benzene or other chemical agents for cleaning. Chemicals can damage the case and remove markings. Use a soft cloth moistened with a weak solution of water and mild neutral detergent. Wring out all excess moisture from the cloth before wiping.
- Never drop the TV/DVD or otherwise subject it to strong impact.
- Should the TV/DVD ever begin to emit smoke, abnormal odor, or a strange noise, immediately turn off power and unplug the TV/DVD from the cigarette lighter socket. Continued use of the TV/DVD under any of these conditions creates the danger of fire and electric shock.
- Do not continue to use the TV/DVD if it is malfunctioning and does not produce a video image or sound. Whenever you notice such symptoms, immediately turn off power, unplug the TV/DVD from the cigarette lighter socket. Continued use of the TV/DVD creates the danger of fire and electric shock.
- When you leave your car unattended for long periods, be sure to unplug the TV/DVD from the cigarette lighter socket. Leaving the TV/DVD plugged in can run down the car's battery.

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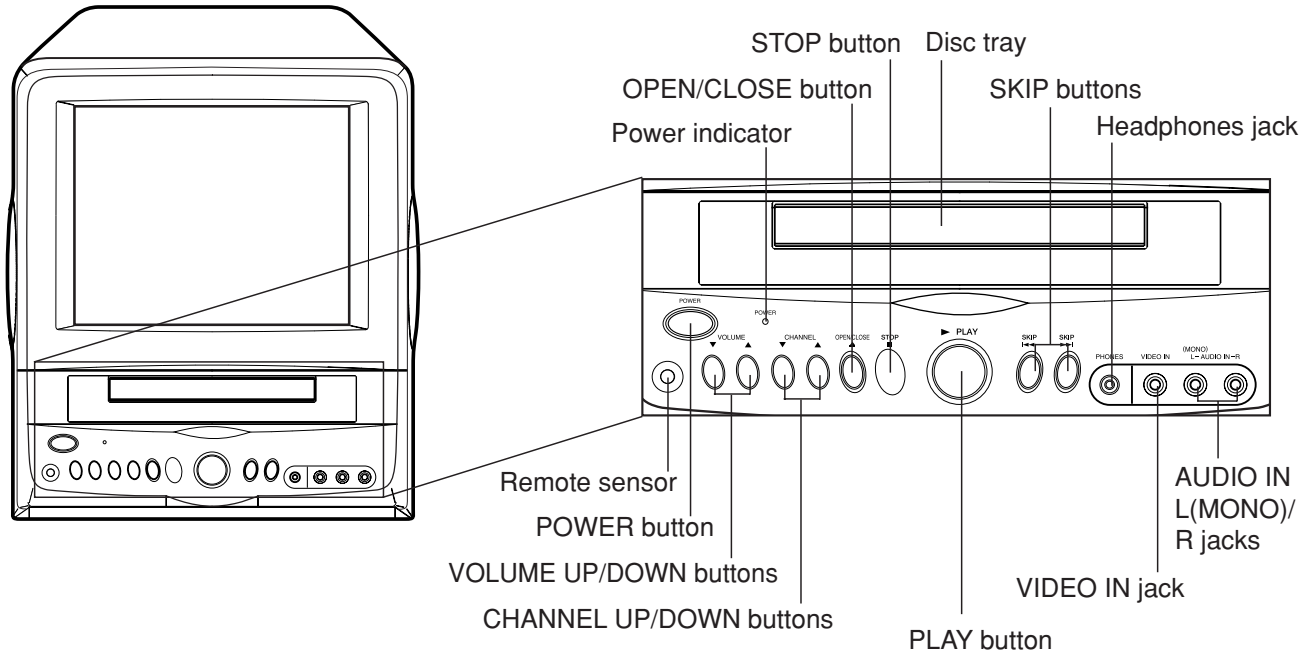
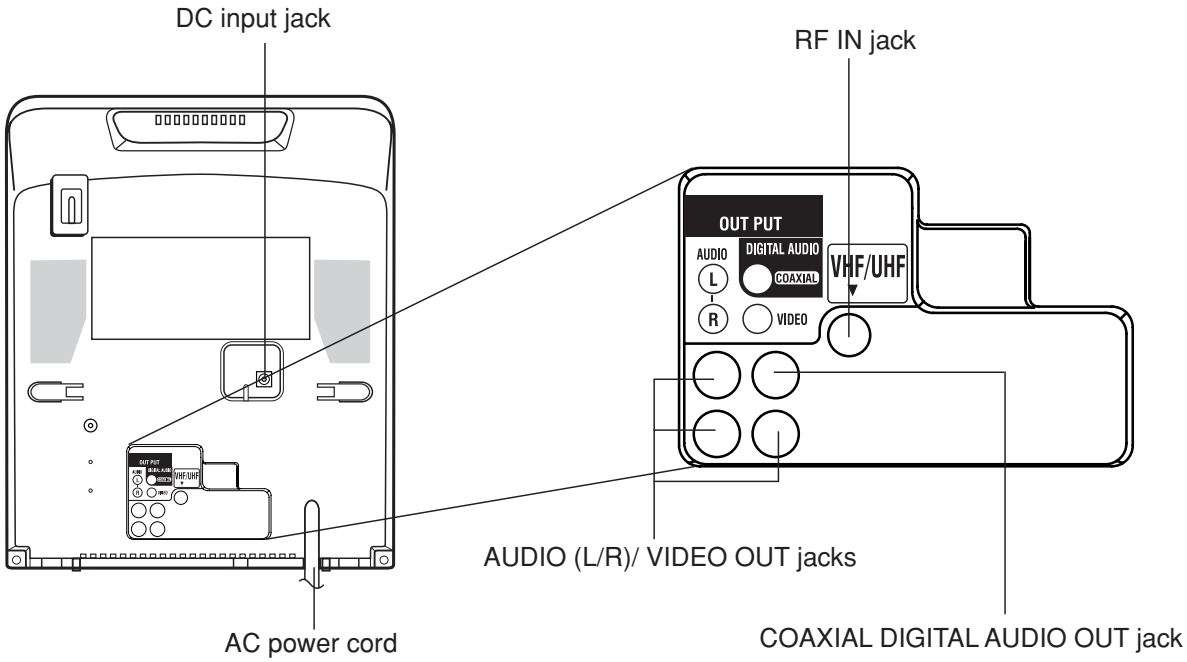
Front



Rear



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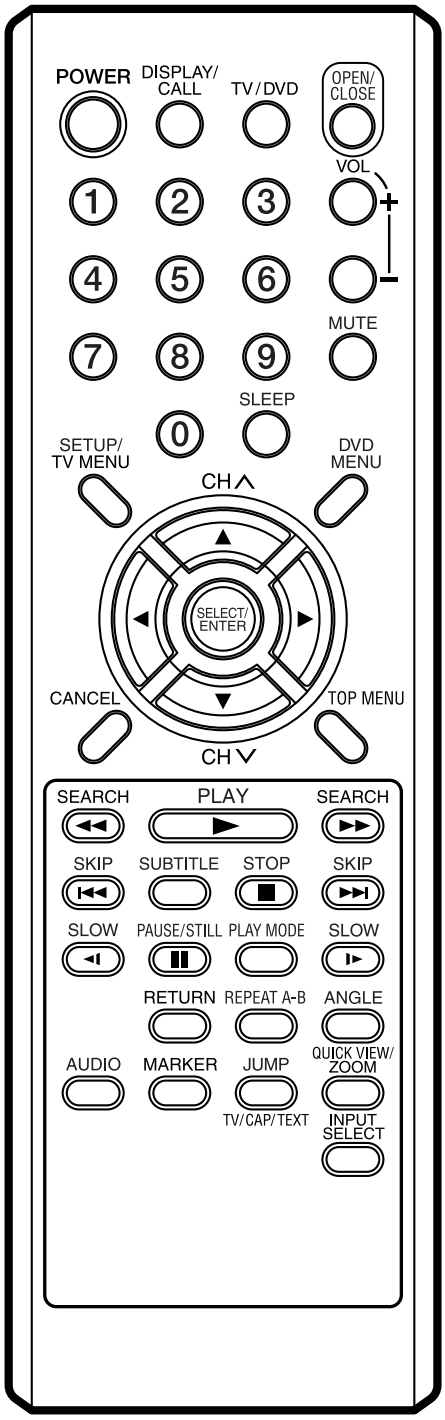
Remote control



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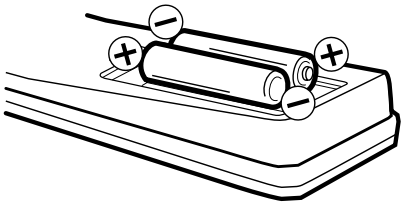
Inserting Batteries

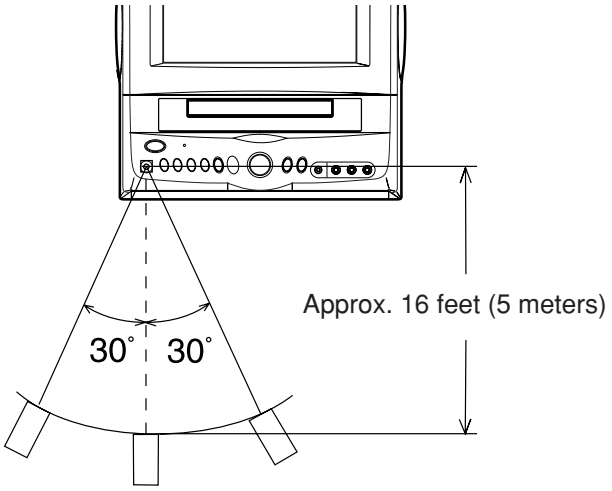
Open the battery compartment cover.
Install two "AAA" batteries (supplied), paying attention to the polarity diagram in the battery compartment.



Replace the compartment cover.

Operation

- Aim the remote control at the remote sensor and press control buttons to operate.
- Operate the remote control within 30° angle on either side of the remote sensor, up to a distance of Approx. 16 feet (5 meters).



NOTES:

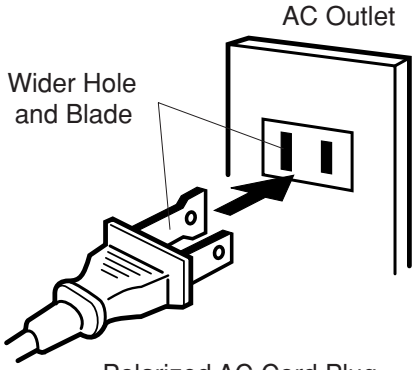
- Do not leave the remote control TV/DVD exposed to direct sunlight or in hot or humid places.
- The remote control TV/DVD uses infrared beams to transmit signals, so sunlight or fluorescent light on the remote sensor may shorten operating distance.
- Incorrect use of batteries may cause them to leak or burst. Read the battery warnings and use the batteries properly.
- Do not mix old and new batteries.
- Remove batteries if the remote control will not be operated for an extended period of time.

TO USE AC POWER

Use the AC polarized line cord provided for operation on AC. Insert the AC cord plug into a standard 120V 60Hz polarized AC outlet.

NOTES:

- Never connect the AC line cord plug to anything other than the specified voltage (120V 60Hz). Use the attached power cord only.
- If the polarized AC cord does not fit into a nonpolarized AC outlet, do not attempt to file or cut the blade. It is the user's responsibility to have an electrician replace the obsolete outlet.
- If you cause a static discharge when touching the TV/DVD, and the TV/DVD fails to function, simply unplug the TV/DVD from the AC outlet, wait a few minutes, and plug it back in. The TV/DVD should return to normal operation.

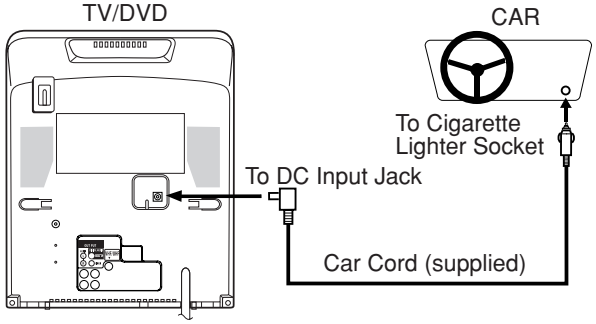


Polarized AC Cord Plug
(One blade is wider than the other)

TO USE DC POWER

By using the DC car cord supplied with the TV/DVD, you can operate this TV/DVD from a cigarette lighter socket in any car that utilizes a negative ground system.
The fused 12V DC car cord has been designed to power the set from the external DC power (12 volt negative ground) through the TV/DVD DC input jack.

Connect the smaller plug on the end of the cord to the DC input jack on the rear of the TV/DVD, then insert the other end of the car cord into the cigarette lighter socket of your car. Make sure that the cord makes a firm connection. It may be necessary to try several insertions, rotating the plug for proper electrical connection.



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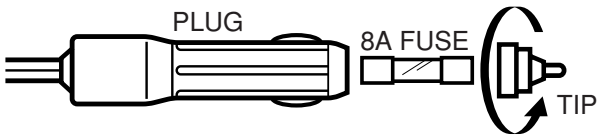
Power sources

NOTES:
- **ALWAYS TURN THE TV/DVD TO "OFF" BEFORE SWITCHING THE IGNITION OF THE CAR ENGINE.**
- Make sure that the negative terminal of the battery is grounded.
  This set is designed for use with negative grounding systems only.
- Use the supplied car cord only.
- When the TV/DVD is not in use, always disconnect it from the car cigarette lighter socket to avoid a battery drain.
- If the TV/DVD is to be directly connected to a 12V DC power source, for example, recreational vehicle (RV) applications, make sure the power cord is connected after the ignition switch to avoid battery drain.
- Do not operate the TV/DVD if the car battery is weak. Peak current from the car alternator could blow the DC fuse.
- Check the battery's charge level regularly when the TV/DVD is used in a vehicle.

REPLACING THE FUSE IN THE CAR BATTERY CORD PLUG

If the fuse in the car battery cord plug blows, replace it with a new 8 A fuse (Fast Blow Type) as shown below. Unscrew the tip of the plug to remove.

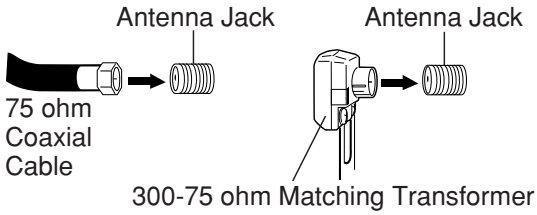


Antenna connections

If you are using an indoor or outdoor antenna, follow the instructions below that correspond to your antenna system. If you are using a cable TV service (CABLE), see page 13 for Cable TV connections.

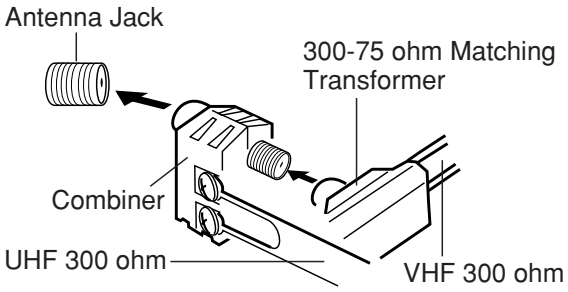
Combination VHF/UHF Antenna (Single 75 ohm cable or 300 ohm twin-lead wire)

Connect the 75 ohm cable from the combination VHF/UHF antenna to the Antenna Jack.
If your combination VHF/UHF antenna has a 300 ohm twin-lead wire, the use of the 300-75 ohm Matching Transformer may be necessary.



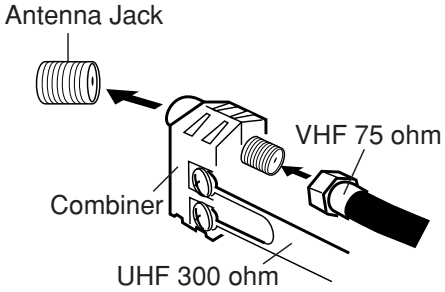
Combination VHF/UHF Antenna (Separate VHF and UHF 300 ohm twin-lead wires)

Connect the UHF 300 ohm twin-lead wire to the Combiner (not supplied). Connect the VHF 300 ohm twin-lead wire to the 300-75 ohm Matching Transformer. Attach the Transformer to the Combiner, then attach the Combiner to the Antenna Jack.



Separate VHF/UHF Antennas (75 ohm VHF cable and 300 ohm UHF twin-lead wires)

Connect the VHF 75 ohm cable and UHF 300 ohm twin-lead wire to the Combiner (not supplied). Attach the Combiner to the Antenna Jack.



IMPORTANT: Go to page 18 to choose the signal and search for channels.

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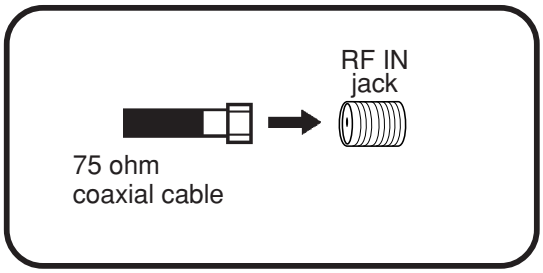
Cable TV connections

This TV/DVD has an extended tuning range and can tune most cable channels without using a Cable TV Converter box. Some cable companies offer "premium pay channels" in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.

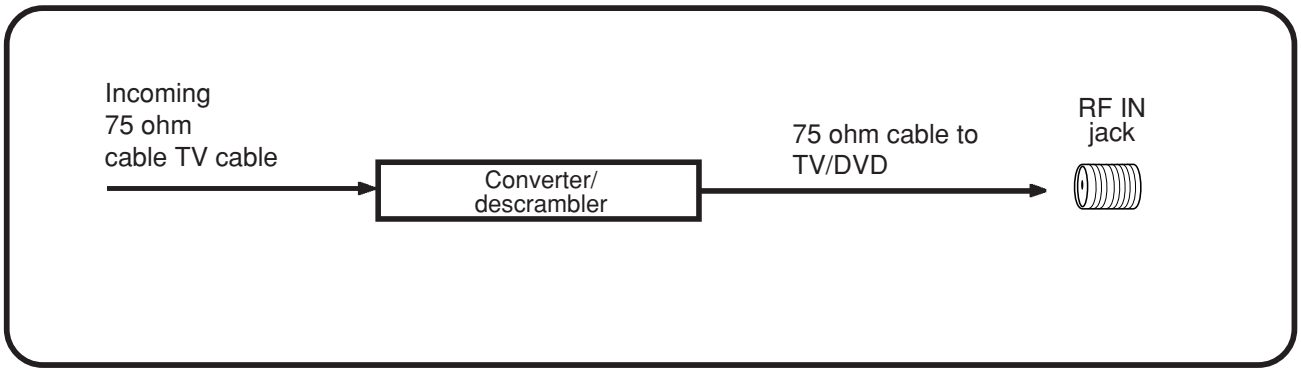
FOR SUBSCRIBERS TO BASIC CABLE TV SERVICE



For basic cable service not requiring a Converter/Descrambler box, connect the 75 ohm Coaxial Cable directly to the RF IN Jack on the back of the TV/DVD.

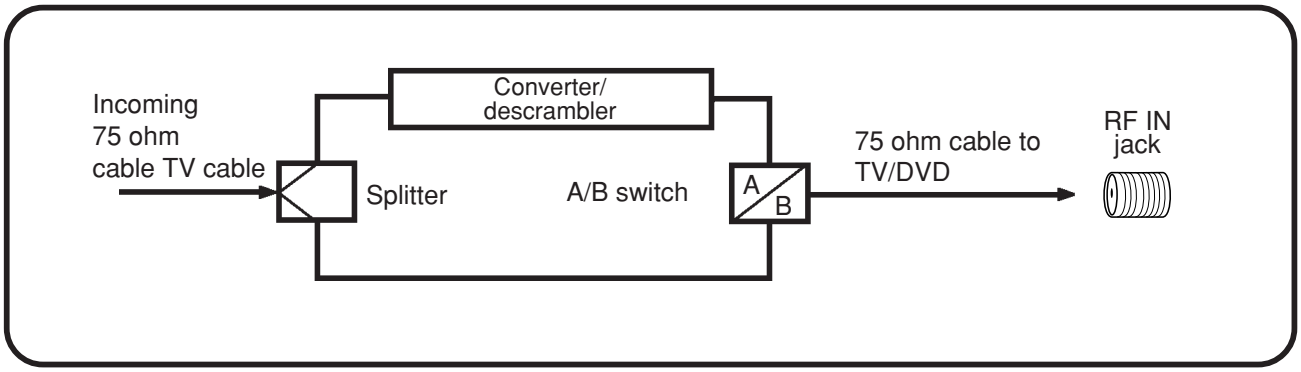
FOR SUBSCRIBERS TO SCRAMBLED CABLE TV SERVICE

If you subscribe to a cable TV service which requires the use of a converter/descrambler box, connect the incoming 75 ohm coaxial cable to the converter/descrambler box. Using another 75 ohm coaxial cable, connect the output jack of the converter/descrambler box to the RF IN jack on the TV/DVD. Follow the connections shown below. Set the TV/DVD to the output channel of the converter/descrambler box (usually channel 3 or 4) and use the converter/descrambler box to select channels.



FOR SUBSCRIBERS TO UNSCRAMBLED BASIC CABLE TV SERVICE WITH SCRAMBLED PREMIUM CHANNELS

If you subscribe to a cable TV service in which basic channels are unscrambled and premium channels require the use of a converter/descrambler box, you may wish to use a signal splitter and an A/B switch box (available from the cable company or an electronics supply store). Follow the connections shown below. With the switch in the "B" position, you can directly tune any nonscrambled channels on your TV/DVD. With the switch in the "A" position, tune your TV/DVD to the output of the converter/descrambler box (usually channel 3 or 4) and use the converter/descrambler box to tune scrambled channels.



IMPORTANT: Go to page 18 to choose the signal and search for channels.

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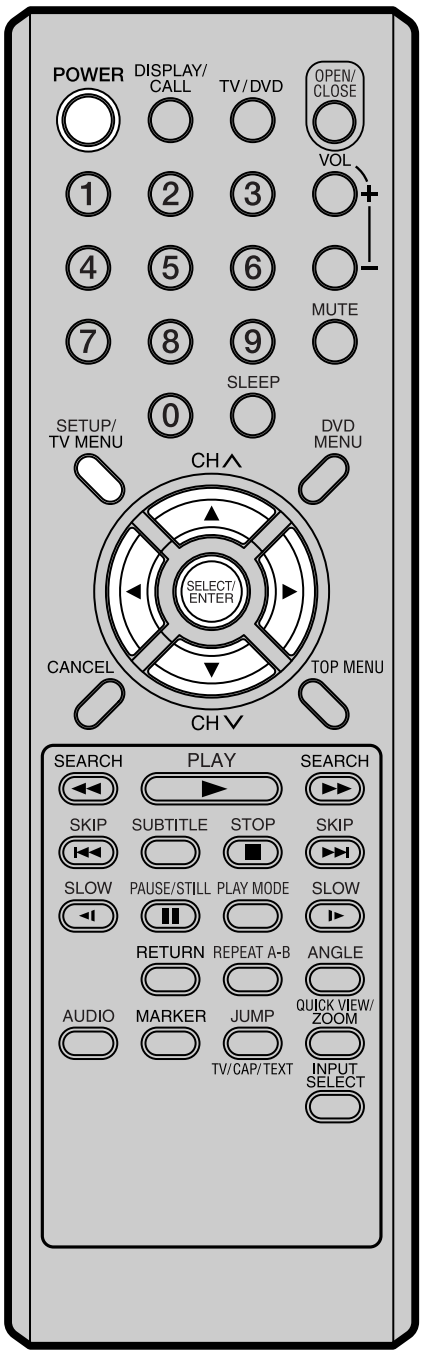
Setting the language

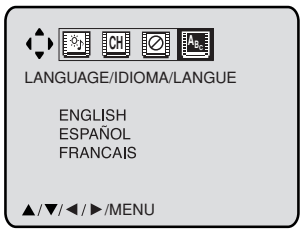
You can choose from three different languages (English, French and Spanish) for the on-screen displays.



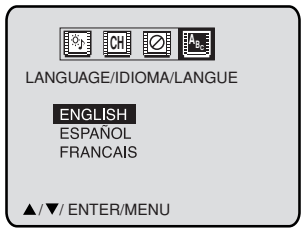
1 Press **POWER** to turn on the TV/DVD.

2 Press **TV MENU** in the TV mode. The TV menu screen will appear.

3 Press ◀ or ▶ to select option.



4 Press ▲ or ▼ to select the desired language: English (ENGLISH), Spanish (ESPAÑOL) or French (FRANCAIS), then press **ENTER**.



5 Press **TV MENU** until the menu screen disappears.

NOTES:

- **If the TV/DVD does not operate properly (using the buttons on the TV/DVD and/or the remote control), disconnect the AC cord, wait a few minutes and plug it back in.** Static electricity, etc., may have affected the player's operation.
- The TV section has its own menu and also DVD section has its own menu (see page 28).

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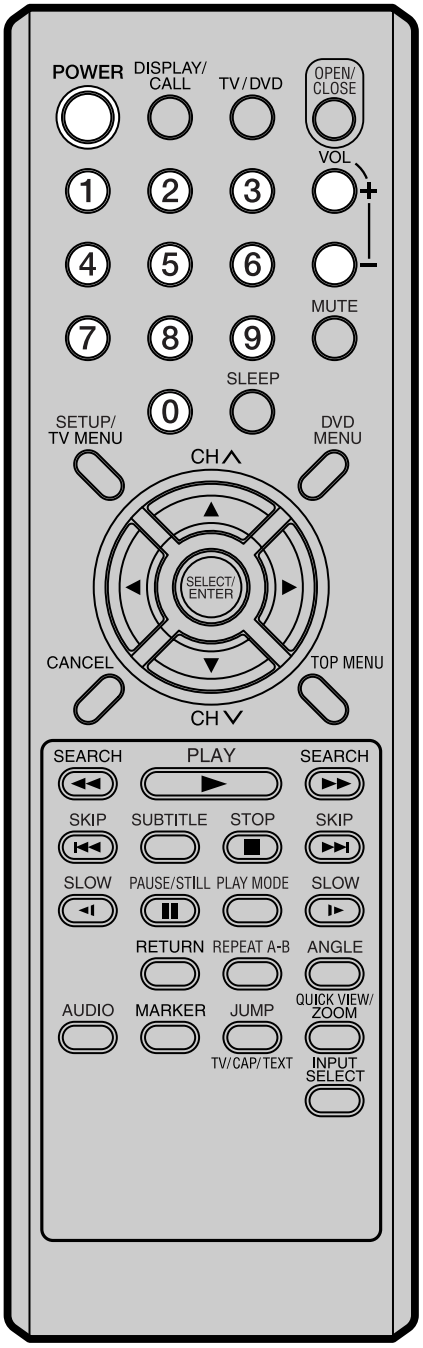
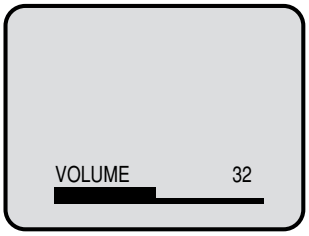


1 Press **POWER** to turn on the TV/DVD.

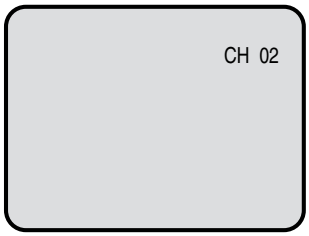
2 Adjust the volume level by pressing **VOL +** or **–** . The volume level will be indicated on the screen by green bars. As the volume level increases, so do the number of bars. If the volume decreases, the number of green bars also decreases.



3 Set the TV/CABLE menu option to the appropriate position. (See page 18.)

TV	- VHF/UHF channels
CABLE	- CABLE TV channels

4 Press the **number buttons** to select the channel.



TV Mode Direct Channel Selection
When the TV/CABLE menu option is in the TV position, all channels can be instantly selected by using two buttons. (for example, to select channel 2, press "**0**", then "**2**". If you press only "**2**", channel selection will be delayed for a few seconds.) For channels 10 and above, press the 2 digits in order.

CABLE Mode Direct Channel Selection
When the TV/CABLE menu option is in the CABLE position, channels can be selected as follows:
TO SELECT Cable TV CHANNELS:

1-9: Press "**0**" twice, then 1-9 as needed. Example, to select channel 2, press "**002**".
10-12: Press "**0**", then the remaining 2 digits. Example, to select channel 12, press "**012**".
13-99: Press the 2 digits in order. Example, to select channel 36, press "**36**".
100-125: Press the 3 digits in order. Example, to select channel 120, press "**120**".

NOTE FOR CHANNELS 1-12:
If only 1 or 2 buttons are pressed, the corresponding channel will be selected in 2 seconds.

VHF/UHF/Cable TV CHANNELS

TV	Cable TV
VHF 2-13	VHF 2-13
UHF 14-69	STD/HRC/IRC 14-36 (A) (W) 37-59 (AA) (WW) 60-85 (AAA) (ZZZ) 86-94 (86) (94) 95-99 (A-5) (A-1) 100-125 (100)(125) 01 (5A)

NOTES:
- If a channel with no broadcast is selected, the sound will automatically be muted.
- If a station being viewed stops broadcasting, the TV will automatically shut itself off after 15 minutes.

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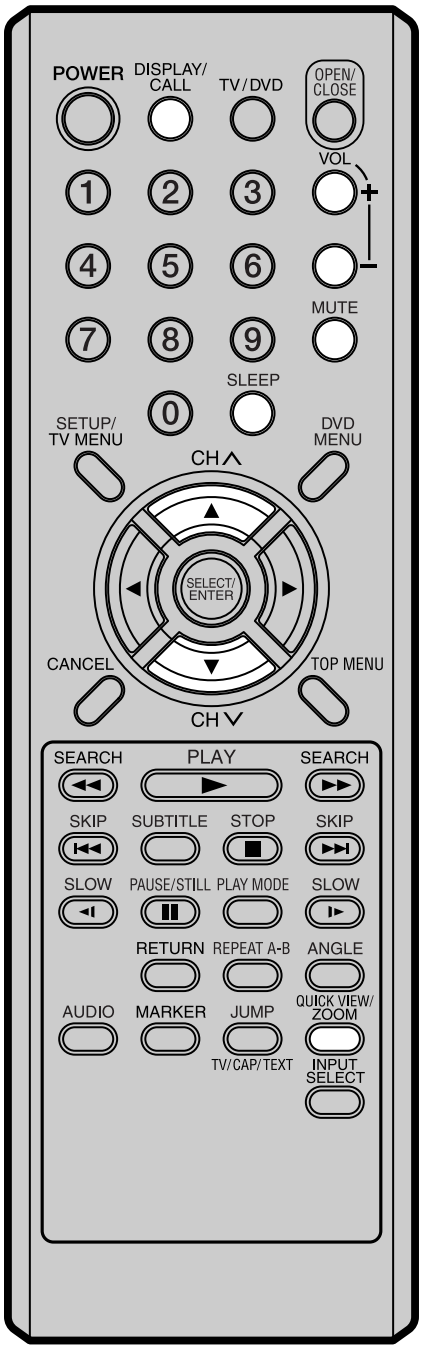
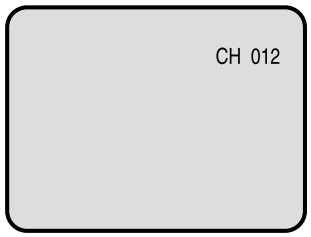


CHANNEL ^/v

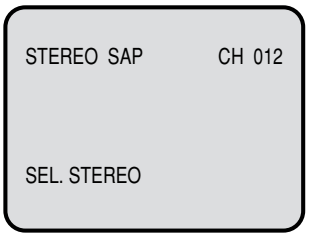
Press and release **CH** ^ or v. The channel automatically stops at the next channel set into memory.
For proper operation, before selecting channels, they should be set into the memory. See pages 18 and 19 “Memorizing channels”



CALL

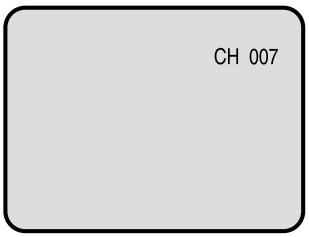
Press **DISPLAY**/**CALL** to display the current information on the screen. Press **DISPLAY**/**CALL** again to clear the call display.

- Channel number or VIDEO mode
- Stereo or SAP (second audio program) audio status
- Audio output status



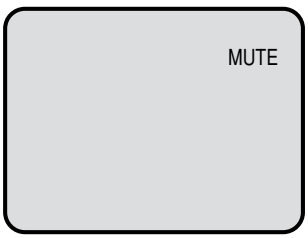
QUICK VIEW

This button allows you to go back to the last channel selected by pressing **QUICK VIEW**. Press **QUICK VIEW** again to return to the last channel you were watching.



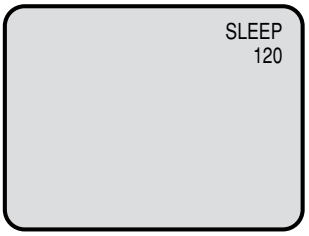
MUTE

Press **MUTE** to switch off the sound. The unit’s sound will be silenced and “MUTE” will briefly appear on the screen. The sound can be switched back on by pressing this button again or one of **VOL +** or **–**.



SLEEP

To set the TV/DVD to turn off after a preset amount of time, press **SLEEP** on the remote control. The clock will count down 10 minutes for each press of **SLEEP** (120, 110, ...10, 0). After the sleep time is programmed, the display will appear briefly every ten minutes to remind you that the sleep timer is operating. To confirm the sleep timer setting, press **SLEEP** and the remaining time will be displayed for a few seconds. To cancel the sleep timer, press **SLEEP** repeatedly until the display turns to 0.



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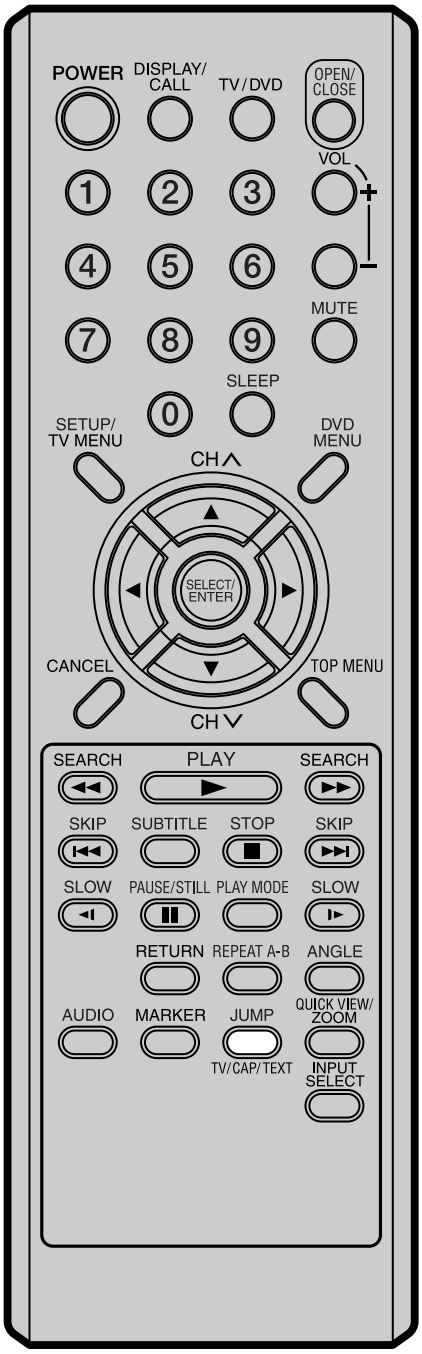
Closed caption

WHAT IS CLOSED CAPTIONING?

This television has the capability to decode and display closed captioned television programs. closed captioning will display text on the screen for hearing impaired viewers or it will translate and display text in another language.

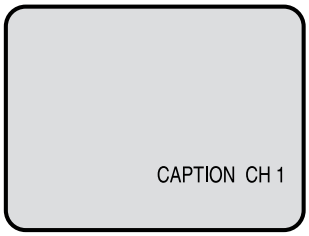


Captions: This closed caption mode will display text on the screen in English or another language (depending on the setting of the closed captions CH 1/2).
Generally, closed captions in English are transmitted on captions channel 1 and closed captions in other languages are transmitted on captions channel 2.

Text: The text closed caption mode will usually fill the screen with a programming schedule or other information.
After selecting a closed caption mode, it will stay in effect until it is changed, even if the channel is changed.
If the captions signal is lost due to a commercial or a break in the signal, the captions will reappear when the signal is received again. If the channels are changed, the captions will be delayed approximately 10 seconds. The captions will appear in places on the screen where they will least interfere with the picture, usually on the bottom of the screen. News programs will usually show three-line closed captions which scroll onto the screen.
Most other shows provide two or three lined captions placed near the character who is speaking so the viewer can follow the dialogue. Words in italics or underlined describe titles, words in foreign languages or words requiring emphasis. Words that are sung usually appear enclosed by musical notes.
For television programs broadcasting with closed captions, look in your TV guide for the closed captions symbol (CC).

TO VIEW CLOSED CAPTIONS

Press **TV/CAP/TEXT** to switch between normal TV and the two closed caption modes (captions and full screen text). Closed captioning will display text on the screen for hearing impaired viewers.



NOTES:

- When selecting closed captions, the captioning will be delayed approximately 10 seconds.
- If no caption signal is received, no captions will appear, but the television will remain in the caption mode.
- Misspellings or unusual characters may occasionally appear during closed captioning. This is normal with closed captioning, especially with live programs. This is because during live programs, captions are also entered live. These transmissions do not allow time for editing.
- When captions are being displayed, on-screen displays, such as volume and mute may not be seen or may interfere with closed captions.
- Some cable systems and copy protection systems may interfere with the closed captioned signal.
- If using an indoor antenna or if TV reception is very poor, the closed caption decoder may not appear or may appear with strange characters or misspelled words. In this case, adjust the antenna for better reception or use an outdoor antenna.

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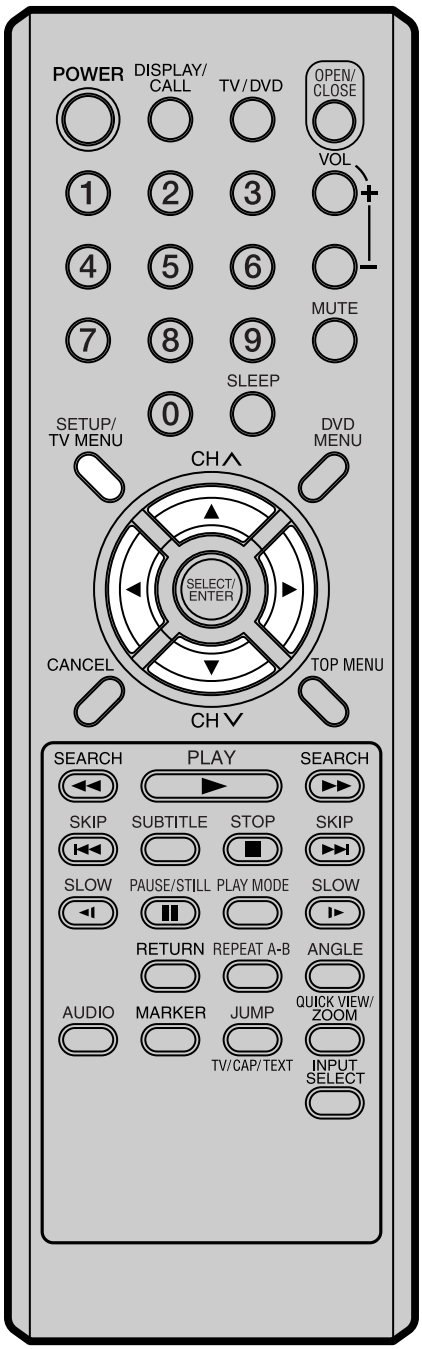
Memorizing channels

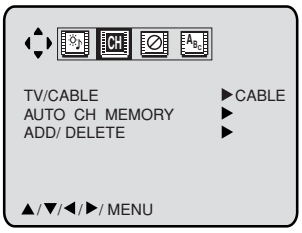
This TV/DVD is equipped with a channel memory feature which allows channels to skip up or down to the next channel set into memory, skipping over unwanted channels. Before selecting channels, they must be programmed into the TV/DVD's memory. In addition to normal VHF and UHF channels, this TV/DVD can receive up to 113 Cable TV channels. To use this TV/DVD with an antenna, set the TV/CABLE menu option to the TV mode. When shipped from the factory, this menu option is in the CABLE mode.



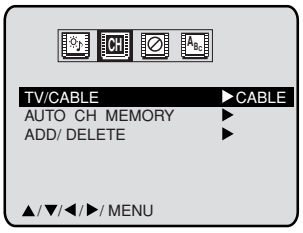
TV/CABLE SELECTION

1 Press **TV MENU** in the TV mode.
The TV menu screen will appear.

2 Press ◀ or ▶ to select CH option.

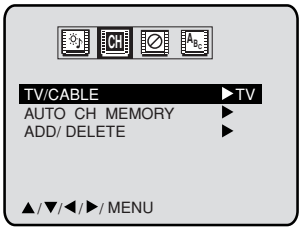


3 Press ▲ or ▼ to select the "TV/CABLE".



4 Press ◀ or ▶ to select the "TV" or "CABLE" mode.

TV - VHF/UHF channels
CABLE - CABLE TV channels



5 Press **TV MENU** until the menu screen disappears.

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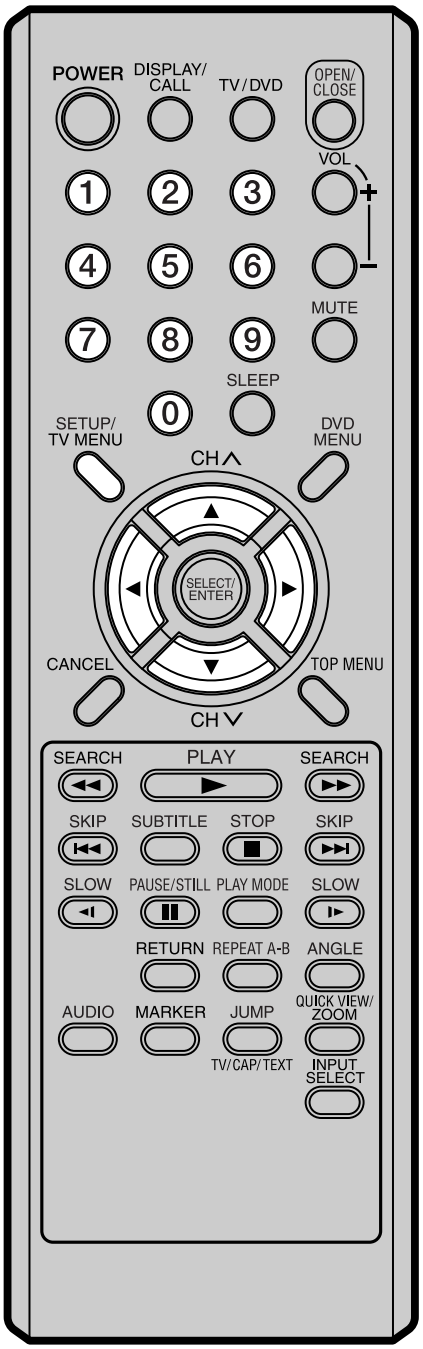
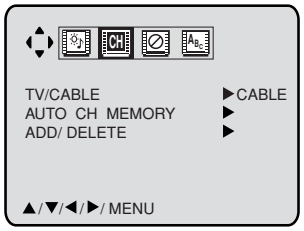


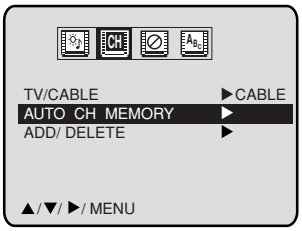
AUTOMATIC MEMORY TUNING

1 Press **TV MENU** in the TV mode. The TV menu screen will appear.

2 Press ◀ or ▶ select CH option.



3 Press ▲ or ▼ to select the "AUTO CH MEMORY".
Press ▶. The TV will begin memorizing all the channels available in your area.

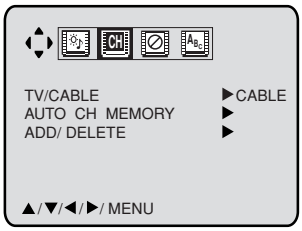


4 Press **TV MENU** until the MENU screen disappears.

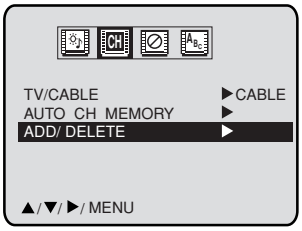
TO ADD/DELETE CHANNELS

1 Press **TV MENU**. The TV menu screen will appear.

2 Press ◀ or ▶ select CH option.

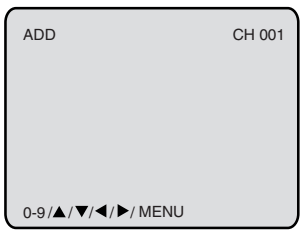


3 Press ▲ or ▼ to select the "ADD/ DELETE", then press ▶.



4 Select the desired channel to be memorized or deleted using the **number buttons (0-9)**, or ▲ or ▼.

5 Press ◀ or ▶ to select ADD or DELETE, whichever function you want to perform.



6 Press **TV MENU** until the menu screen disappears.

7 Repeat steps 1~6 for other channels you want to add or delete.

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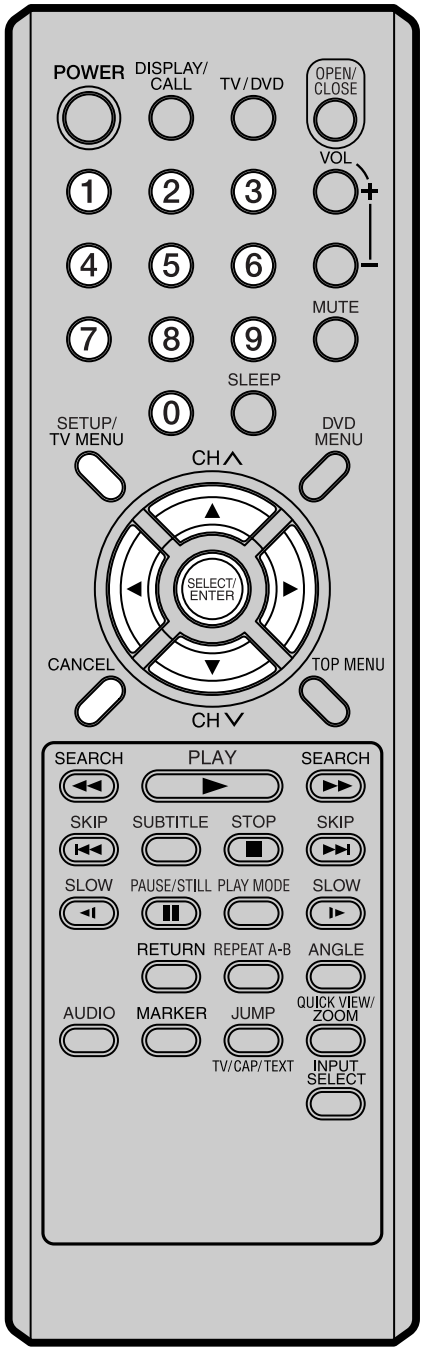
Setting the V-Chip

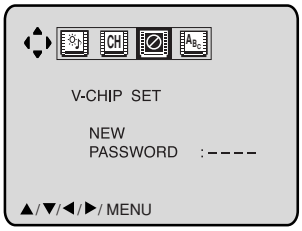
An age limitation can be set to forbid children to see and hear violent scenes or pictures for adults, etc. The TV/DVD corresponds to "TV RATING" and "MOVIE RATING". To use the V-Chip function, you must register a password.



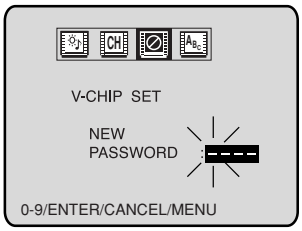
TO REGISTER PASSWORD

1 Press **TV MENU** in the TV mode. The TV menu screen will appear.

2 Press ◀ or ▶ to select option, then press ▲ or ▼ to select “PASSWORD”.

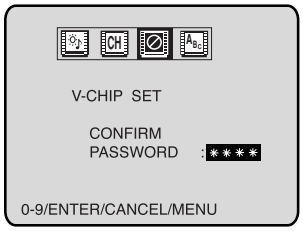


3 Enter the password (4 digits) using the **number buttons (0-9)**, then press **ENTER**.
If you put in a wrong number, press **CANCEL**.



"∗" appears instead of the number.

4 Enter the same password again, then press **ENTER**.
The password is now registered and the V-Chip Set menu appears.



NOTES:

- The V-Chip feature is available only for the U.S.V-Chip system. The Canadian V-Chip system is not supported.
- To avoid forgetting the password, write it down and keep in a safe place.
- If you forget the password....
  1. Turn the volume level to a minimum.
  2. Press **VOL–** on the TV/DVD and **0** on the remote control for more than 1 second simultaneously.

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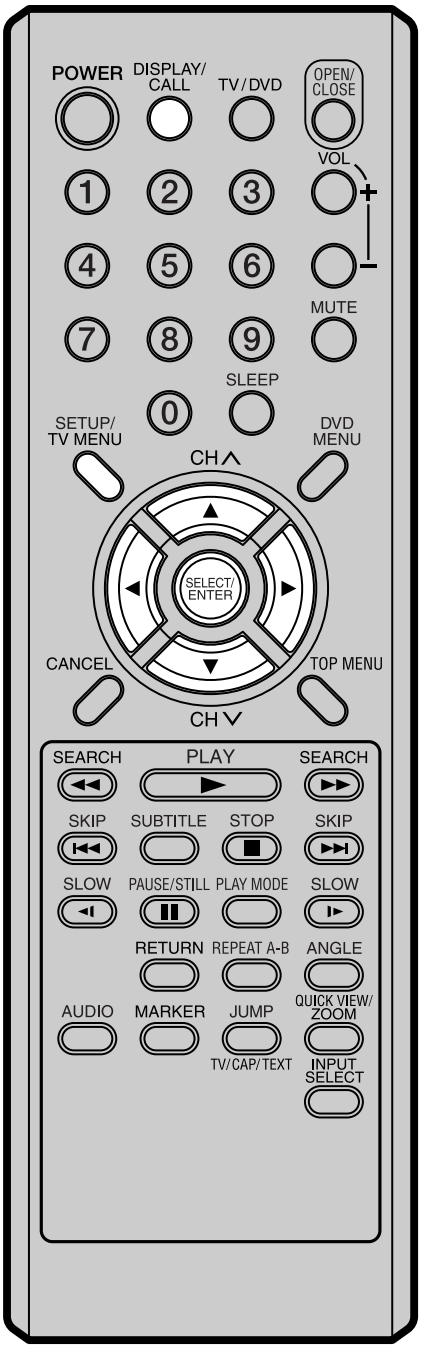
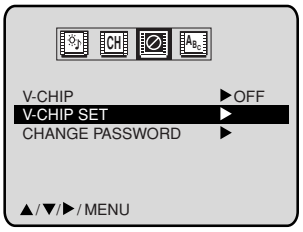


Use the TV after V-Chip is activated.
When the program applied to the V-Chip setting is received, enter the password, then press **ENTER**. When the password is entered correctly the protection will be temporarily overridden.

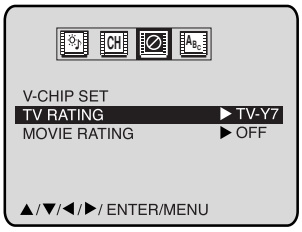
NOTE:
The V-Chip function is activated only on programs and tapes that have the rating signal.

TO SET THE V-CHIP

1 In the V-CHIP SET menu, press ▲ or ▼ to select " V-CHIP SET", then press ▶.



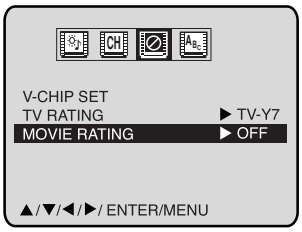
2 Press ▲ or ▼ to select "TV RATING", then press ◀ or ▶ to display the desired setting.



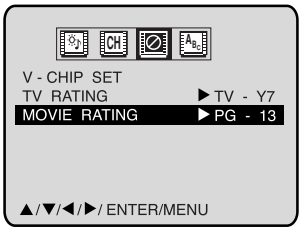
OFF : TV RATING is not set
TV-Y : All children
TV-Y7 : 7 years old and above
TV-G : General Audience
TV-PG: Parental guidance
TV-14 : 14 years old and above
TV-MA: 17 years old and above

When you select TV- Y7, TV-PG, TV-14 or TV-MA, press **DISPLAY/CALL** to show the contained rating. Press ▲ or ▼ to select the desired item you want. Press ◀ or ▶ to select the setting "ON" or "OFF".

3 Press ▲ or ▼ to select "MOVIE RATING".

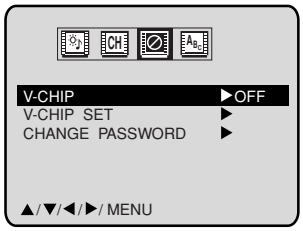


4 Press ◀ or ▶ to select desired rating, then press **ENTER**.

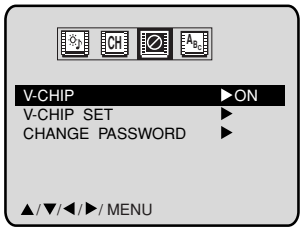


OFF : MOVIE RATING is not set
G : All ages
PG : Parental guidance
PG-13 : Parental guidance less than 13 years old
R : Under 17 years old Parental guidance suggested
NC-17 : 17 years old and above
X : Adult only

5 Press ▲ or ▼ to select "V-CHIP".



6 Press ◀ or ▶ to display "ON". Now your settings were set into the memory.



7 Press **TV MENU** until the menu screen disappears.

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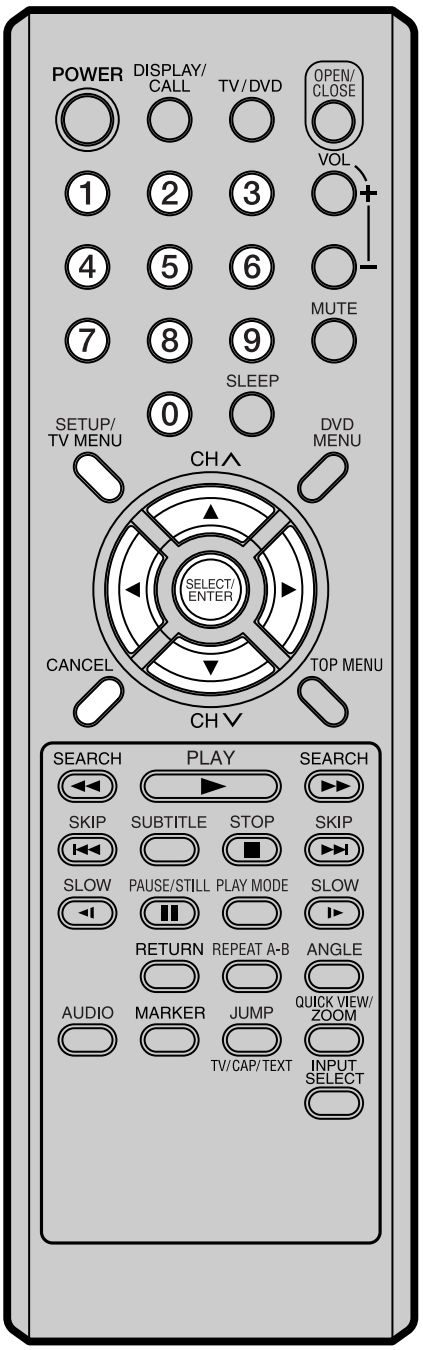
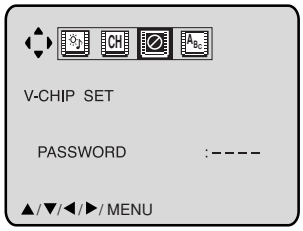


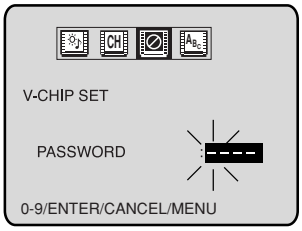
TO CHANGE PASSWORD

1 Press **TV MENU** in the TV mode. The TV menu screen will appear.

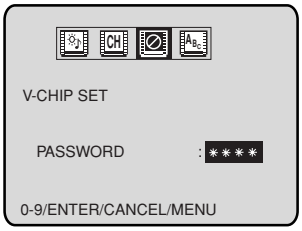
2 Press ◀ or ▶ to select ⊘ option.



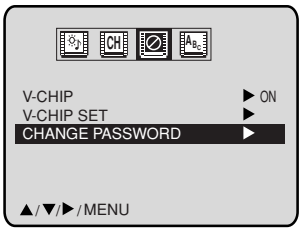
3 Press ▲ or ▼ to select the "PASSWORD".



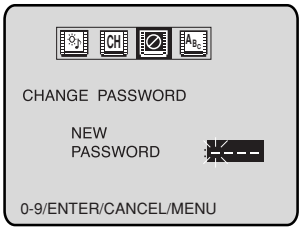
4 Enter the Password using **number buttons (0-9)**, then press **ENTER**.
If you put a wrong number, press **CANCEL**.



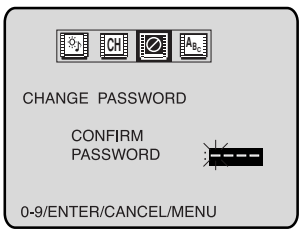
5 Press ▲ or ▼ to select "CHANGE PASSWORD", then press ▶.



6 Enter the new password using **number buttons (0-9)**, then press **ENTER**.



7 Enter the same password again to confirm, then press **ENTER**.



8 Press **TV MENU** until the menu screen disappears.

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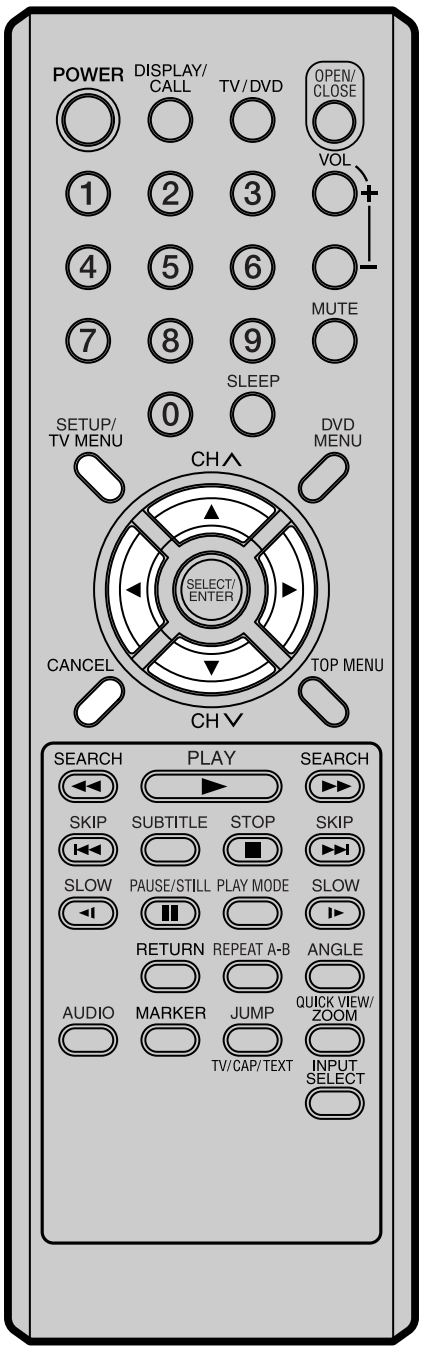
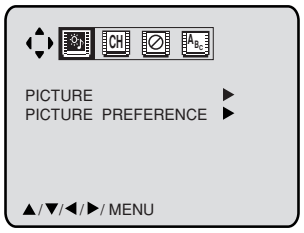
Picture control adjustment

Picture controls are factory preset but you can adjust them individually as follows:

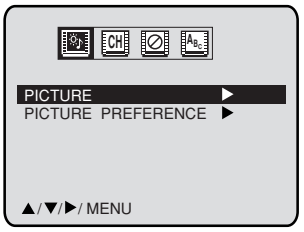


1 Press **TV MENU** in the TV mode.
The TV menu screen will appear.

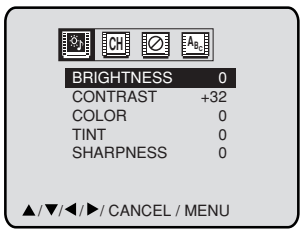
2 Press ◀ or ▶ to select option.



3 Press ▲ or ▼ to select "PICTURE", then press ▶.



4 Press ▲ or ▼ to select the item you want to adjust. Press ◀ or ▶ to adjust the setting.



	▶	◀
BRIGHTNESS	increase brightness	decrease brightness
CONTRAST	increase contrast	decrease contrast
COLOR	brilliant color	pale color
TINT	greenish color	reddish color
SHARPNESS	makes picture clearer	makes picture softer

5 After your desired setting changes press **TV MENU** until the menu screen disappears.

CANCEL

Pressing **CANCEL** while making picture adjustments will return all adjustments to the factory preset levels.

NOTE:
The CONTRAST default setting is set to maximum at the factory.

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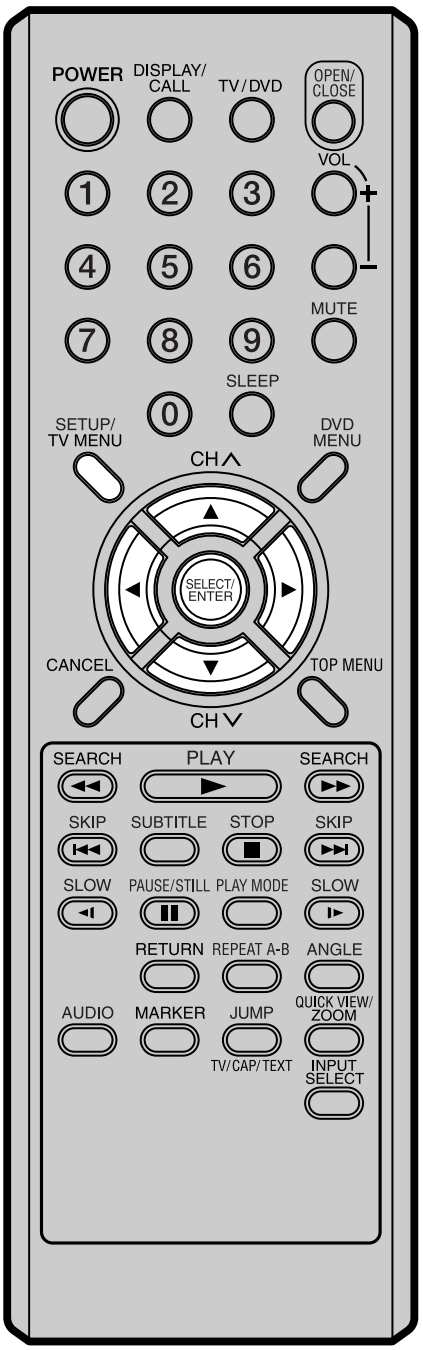
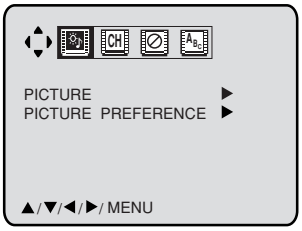
Adjusting the picture preference

You can select four picture modes—Standard, Sports, Movie, and Memory—as described in the following table:

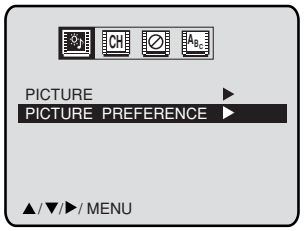


1 Press **TV MENU** in the TV mode.
The TV menu screen will appear.

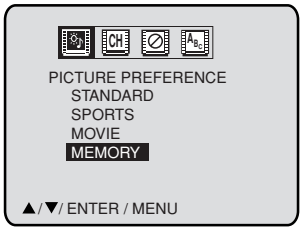
2 Press ◀ or ▶ to select option.



3 Press ▲ or ▼ to select "PICTURE PREFERENCE", then press ▶.



4 Press ▲ or ▼ to select the desired picture mode, then press **ENTER**.



Mode	Picture quality
STANDARD	Standard picture quality (factory-set)
SPORTS	Bright and dynamic picture (factory-set)
MOVIE	Movie-like picture setting (factory-set)
MEMORY	Your personal preferences (set by you; see "Picture control adjustment" on the page 23)

5 After your desired setting, press **TV MENU** until the MENU screen disappears.

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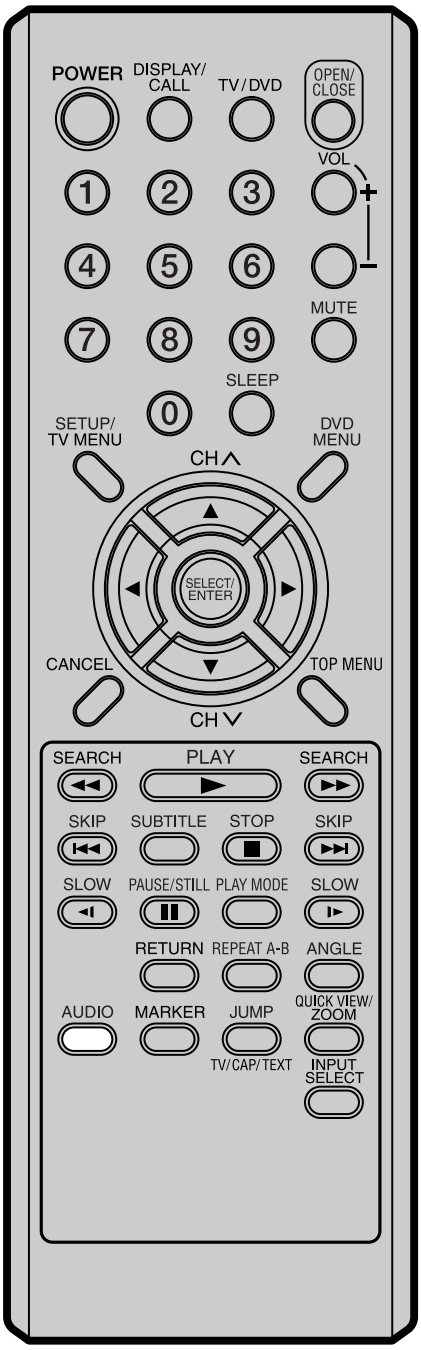
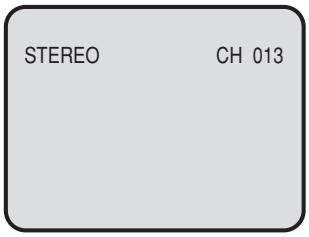
Stereo and second audio program (SAP)

The TV/DVD is equipped with a feature known as Multi-channel TV Sound or MTS. MTS broadcasts greatly enhance TV viewing by bringing you programs with high fidelity stereo sound.
MTS also provides an extra channel called the Second Audio Program or SAP which broadcasters can use to transmit a second language for bilingual transmission or for other purposes.



LISTENING TO STEREO SOUND

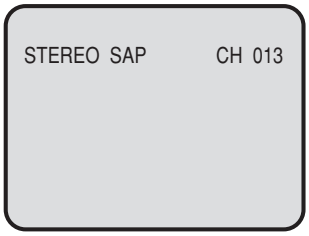
When the TV is turned on or a channel selection is made, make certain the STEREO appears on the screen. This means that "Stereo" broadcasting is available. You can enjoy stereo sound from the left and right speakers.



- When "Mono" broadcasting is received, no indication is displayed.
- If the broadcast signal is not strong enough or clear stereo sound is not available, press **AUDIO** to change to mono sound. The noise should be eliminated. Press it again to return to the stereo sound.

LISTENING TO SAP (SECOND AUDIO PROGRAM)

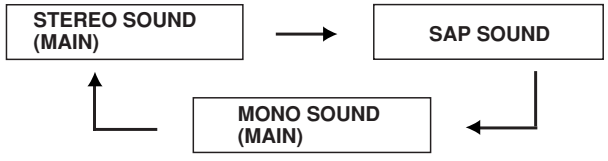
When the TV is turned on or a channel selection is made, make certain the SAP appears on the screen. This means that the "Second Audio Program" broadcasting is available.



TO SELECT DESIRED SOUND

Press **AUDIO** to select the desired sound.

STEREO+SAP BROADCASTING



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DISC

This TV/DVD applies to DVD discs from Region 1 or ALL.
The loaded Disc (DVD, Audio-CD and WMA/JPEG-CD) will be recognized automatically.
The suitable Disc-formats are: DVD, CD-R and CD-RW.
Some CD-R/RW discs may be incompatible.

DISC WARNING

Do not play DVD-ROM, DVD-Audio, CDV, Video-CD or CD-G to prevent accidental erasure of prerecorded material.
This TV/DVD does not play MP3 files.

Title/Chapter/Track

Title

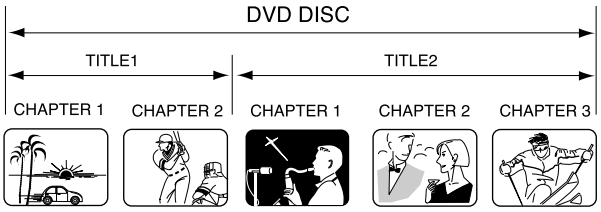
When two or more movies are recorded on a disc, the disc is divided into two or more sections. Each section is called a “TITLE”.

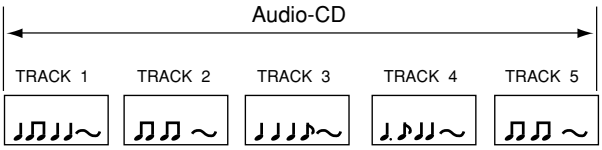
Chapter

The titles can be subdivided into many sections. Each section is called a “CHAPTER”.

Track

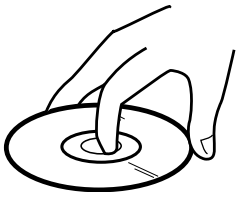
An Audio CD can contain several items. These are assigned to tracks.



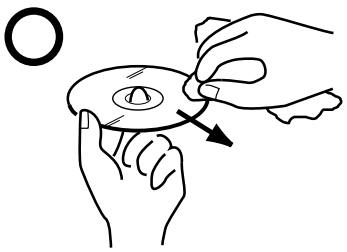


Removing Disc from Case

Be sure to hold the edge of disc. Do not touch the surface of the disc. Pick up the disc gently from the case.



- Do not scratch the disc.
- Do not get dirt on the surface of the disc.
- Do not stick a label or adhesive tape on the disc.
- Do not drop or bend the disc.



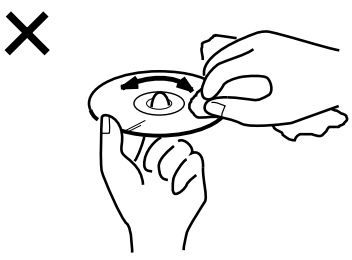
Storing Disc

- Store the disc in the case to avoid risk of scratches, dirt or damage.
- Do not leave disc exposed to direct sunlight or in hot or humid places.

Cleaning Disc

Wipe the disc with a clean, dry cloth from center to edge.

- Do not wipe in circular direction.
- Do not use liquid or aerosol cleaners.



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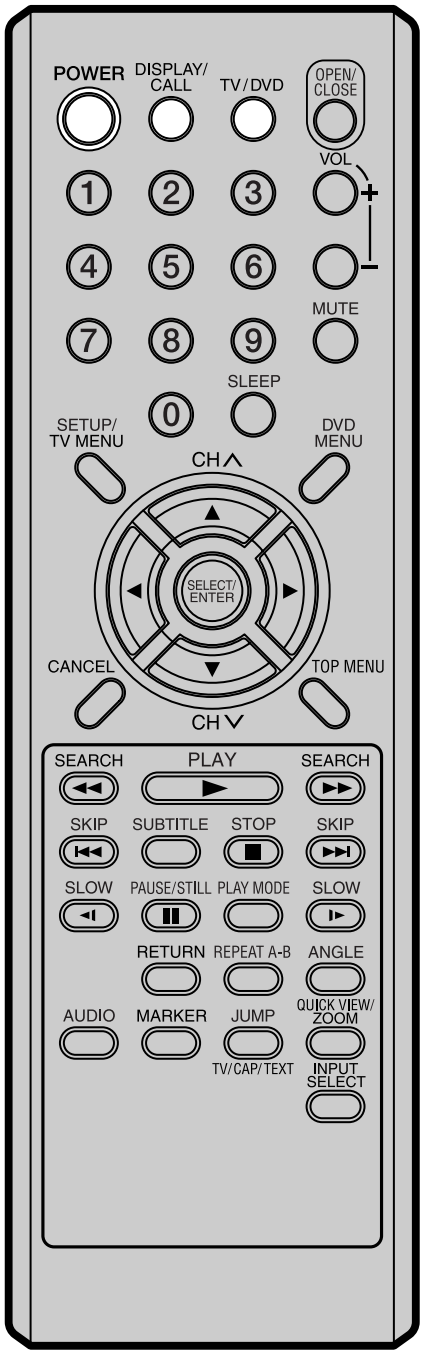
Preparation/Status display of disc

The following pages describe the setup/operation in DVD mode.



NOTE:
If the TV/DVD does not operate properly: Static electricity, etc., may affect the player's operation. Disconnect the AC power cord once, then connect it again.

Preparation

Before DVD/CD operation, please make preparations as follows.

1 Insert the AC cord plug into a standard 120V 60Hz polarized AC outlet.
- If the AC cord plug is plugged in for the first time, wait for about 5 seconds before pressing **POWER**.

NOTE: When connecting to other equipment, unplug the TV/DVD from the AC outlet.

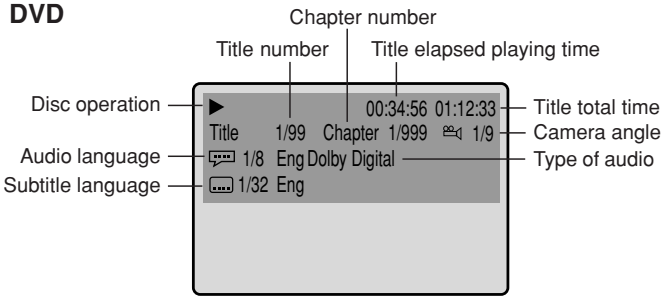
2 Press **POWER** on the TV/DVD or on the remote control to turn on the TV/DVD. The POWER indicator will light.
- Every time you press **POWER**, the TV/DVD starts from TV mode.
- When using an amplifier, switch on the amplifier.

3 Press **TV/DVD** to select DVD mode.
The DVD startup screen will appear on the screen.

Status display of disc

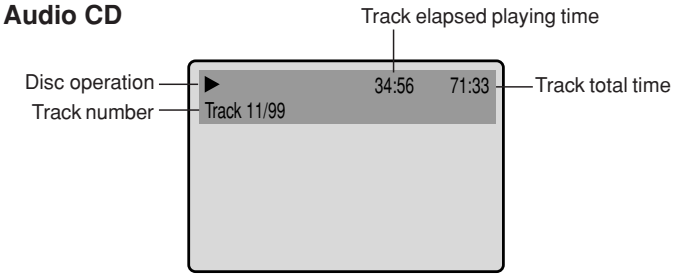
Press **DISPLAY/CALL** second times. The status display of the disc will appear on the screen.

DVD



To make status display disappear, press **DISPLAY/CALL** again.

Audio CD



- When you play a CD disc, the status display will appear and remain on the screen.

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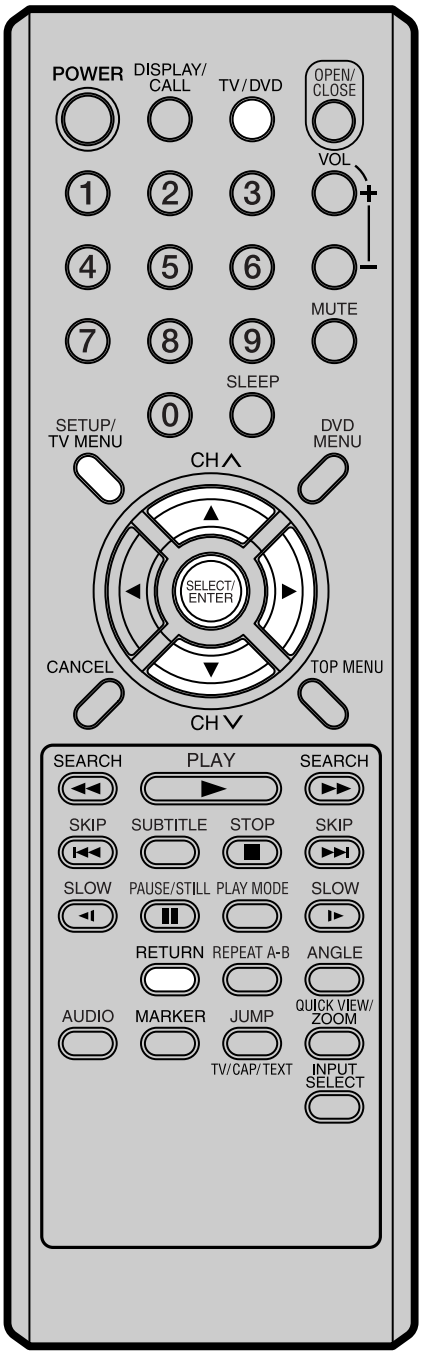
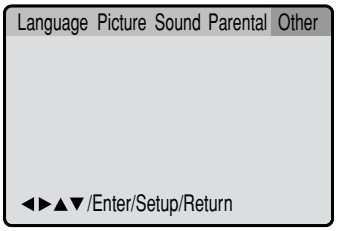
Setting setup language

The setup language can be selected.

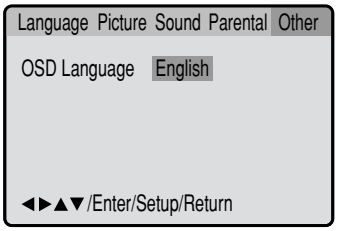


1 Press **TV/DVD** to select the DVD mode.
"No Disc" will appear on the screen. (If a DVD disc has already loaded, the playback will start automatically.)

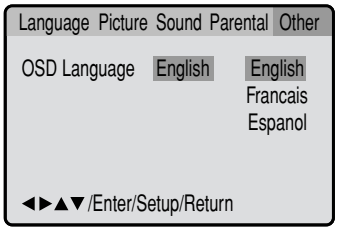
2 Press **SETUP** in the stop mode. The SETUP MENU of DVD will appear on the screen.
Then press ▶ to select "Other".



3 Press ▼ or **ENTER** to select "OSD Language".



4 Press ▶ or **ENTER** and then press ▲ or ▼ to select desired language (e.g. English), then press **ENTER**.



5 Press **SETUP** or **RETURN** to remove the Menu screen.

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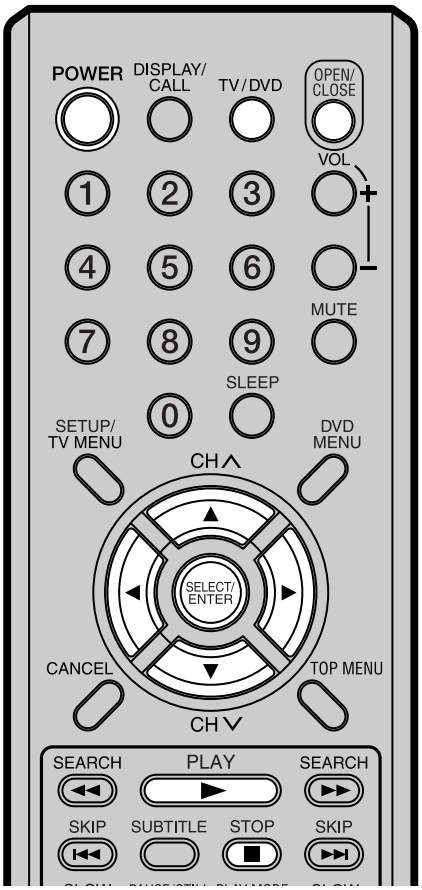
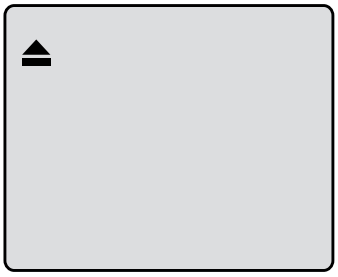


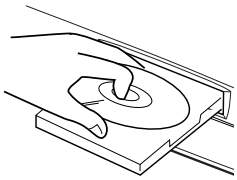
NOTES:

- If a non-compatible disc is loaded, “Incorrect Disc”, “Region Code Error” or “Parental Error” will appear on the TV screen according to the type of loaded disc. If these appear, check your disc again (see pages 26 and 43).
- Some discs may take a minute or so to start playback.
- A “Prohibition” symbol may appear at the upper left of the screen. This symbol means either the feature you tried is not available on the disc, or the TV/DVD can not access the feature at this time. This does not indicate a problem with the TV/DVD.
- When you set a single-faced disc label downwards (ie. the wrong way up) and press **PLAY** or **OPEN**/**CLOSE** on the TV/DVD, “Reading” will appear on the display and then “Incorrect Disc” will be displayed.
- Some playback operations of DVDs may be intentionally fixed by software producers. Since this TV/DVD plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.

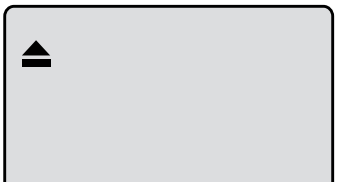
1 Press **TV**/**DVD** to select the DVD mode. Press **OPEN**/**CLOSE** on the TV/DVD or the remote control.
The disc tray will open.

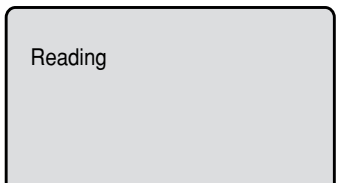


2 Place a disc onto the tray. Position it with the printed label side up, align it with the guides, and place it in its proper position.



3 Press **PLAY** or **OPEN**/**CLOSE**.
The disc tray closes automatically.
On the screen, ⏏ changes to “Reading” and then playback will commence.





- A menu screen may appear on the TV screen, if the disc has a menu feature. In this case, press ▲, ▼, ◀, ▶ or **ENTER** to operate a menu feature.

4 Press **STOP** to end playback.

- The TV/DVD memorizes the stopped point, depending on the disc. “” appears on the screen for approx. 4 seconds. Press **PLAY** to resume playback (from the scene point).
- If you press **STOP** again(“■” appears on the screen) or unload the disc, the TV/DVD will clear the stopped point.

5 Then press **OPEN**/**CLOSE**.
The disc tray opens.
Remove the disc and press **POWER**.
The disc tray closes automatically and the TV/DVD turns off.

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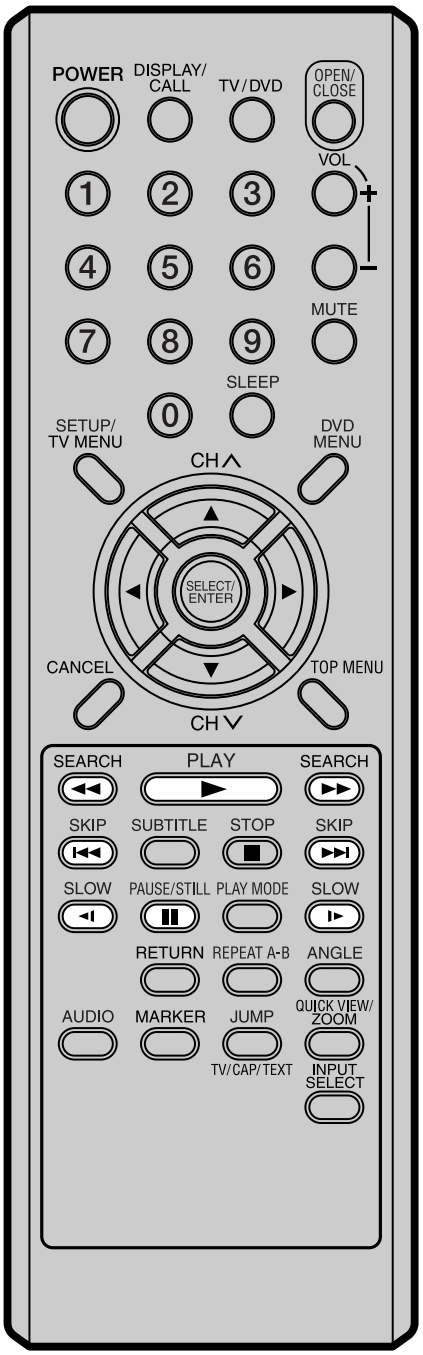
Special playback

There may be a slight delay between when you press the button and the function activating.



NOTE:
The TV/DVD is capable of holding a still video image or On screen display image on your television screen indefinitely. If you leave the still video image or On screen display image displayed on your TV for an extended period of time, you risk permanent damage to your television screen. Projection televisions are very susceptible.

Fast Forward Playback

Press **SEARCH** ▶▶ during normal playback.
Each press of the **SEARCH** ▶▶ button will increase the speed of the search ▶▶ (x 2), ▶▶▶ (x 4), ▶▶▶▶ (x 8), ▶▶▶▶▶ (x 15). (CD: ▶▶ (x 2), ▶▶▶ (x 4), ▶▶▶▶ (x 8), ▶▶▶▶▶ (x 20))

• To resume normal playback, press **PLAY**.

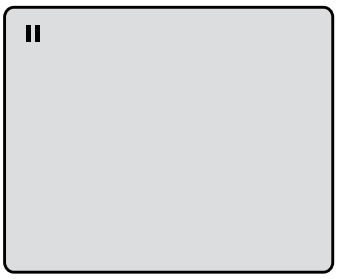
Review Playback

Press **SEARCH** ◀◀ during normal playback.
Each press of the **SEARCH** ◀◀ button will increase the speed of the search ◀◀ (x 2), ◀◀◀ (x 4), ◀◀◀◀ (x 8), ◀◀◀◀◀ (x 15). (CD: ◀◀ (x 2), ◀◀◀ (x 4), ◀◀◀◀ (x 8), ◀◀◀◀◀ (x 20))

• To resume normal playback, press **PLAY**.

Still Playback

Press **PAUSE/STILL** during normal playback to pause playback.



To resume normal playback, press **PLAY**.

Frame Advance

Press **PAUSE/STILL** during still playback.
One frame is advanced each time you press **PAUSE/STILL**.

To resume normal playback, press **PLAY**.

Slow-motion Playback

Press **SLOW(◄❙)** Reverse or **SLOW(❙►)** Forward during normal playback or still playback.
Each press of **SLOW** will change the speed of the slow x1/2, x1/4, x1/6, x1/7.

• To resume normal playback, press **PLAY**.
• To resume the still playback, press **PAUSE/STILL**.

Locating a chapter or track

Press **SKIP(►►❙)** Forward or **SKIP(❙◄◄)** Reverse during playback to locate a chapter that you want to watch.
Each time you press the button, a chapter or track is skipped.

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This player can play back the WMA/JPEG-data which has been recorded on CD-R or CD-RW. To produce the WMA/JPEG-data, you need a Windows-PC with CD-ROM drive and a WMA/JPEG-encoding Software (not supplied). The Apple-HFS-System cannot be played.

WMA/JPEG CD information

Limitations on WMA/JPEG CD playback

- WMA/JPEG CD is the disc that is standardized by ISO9660, its file name must include 3-digits extension letters, “wma”, “jpg”.
- The directory and file names of the WMA/JPEG CD must be correspond to the ISO standardized files.
- This TV/DVD can read 200 files per disc. If one directory has more than 200 files, it reads up to 200 files, the remaining files will be omitted.
- The TV/DVD is able to recognize up to a maximum of 50 directories per disc.
- WMA CDs cannot be used for playback for the purpose of recording.
- If the CD has both audio tracks and WMA/JPEG files, only audio tracks are played.
- It may take more than one minute for this TV/DVD to read WMA/JPEG files depending on its structure.
- Music recorded by “Joliet Recording Specification” can be played back, the file name is displayed (within 16 letters) on the screen Long file names will be condensed.
- The music files recorded by “Hierarchical File System” (HFS) cannot be played.
- The TV/DVD can play back baseline and progressive JPEG files.

Limitations on display

- The maximum number for display is 16 letters. Available letters for display are the following: capital or small alphabets of A through Z, numbers of 0 through 9, and _ (under score).
- Other letters than those above are replaced in hyphen.

Notes on WMA/JPEG files

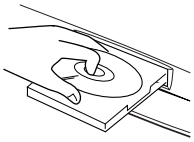
To play back WMA/JPEG CD in the recorded order,

1. Use WMA/JPEG software that records data alphabetically or numerically.
2. Name each file including two-digit or three-digit number (e.g. “01” “02” or “001” “002”).
3. Refrain from making too many sub-folders.

CAUTION:

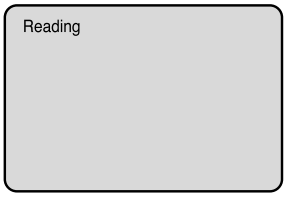
- Some WMA/JPEG CDs cannot be played back depending on the recording conditions.
- The CD-R/RW that has no music data or non-WMA/JPEG files can not be played back.

WMA CD playback

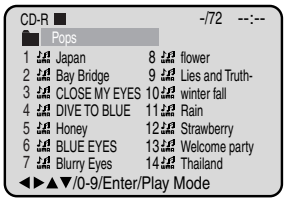


1 Press **OPEN/CLOSE**.
The disc tray will open.
Place a disc on which WMA files have been recorded onto the tray.

2 Press **OPEN/CLOSE** or ► **(PLAY)**.
The disc tray closes automatically. On the TV-screen, “Reading” will appear. Reading will take as much time as the number of file.

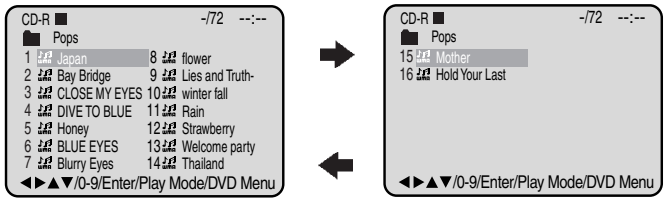


3 A file menu screen will appear on the TV screen.
Press ◄ / ► to select folder.



4 Press ▲ / ▼ or ◄ / ► or **number buttons (0-9)** to select the desired file.

- In case the folder includes more than 15 files, press ◄ or ► to display next file list.



- When ► **(PLAY)** has been pressed after displaying the file menu, or when the disc tray has been closed after pressing ► **(PLAY)** in step 2, playback begins automatically starting from the first file. In this case, if the first file is an WMA file, only WMA files are played back in order. If the first file is a JPEG file, the first JPEG file is played back.

5 Press **ENTER**.
The selected file starts playing back.

6 Press ■ **(STOP)** to end playback.

- The TV/DVD records the stopped point. “⚑” appears on the screen. Press ► **(PLAY)** to resume playback (from the scene point).
- If you press ■ **(STOP)** again or unload the disc, the TV/DVD will clear the stopped point.

NOTES:

- During WMA/JPEG-Playback, you cannot use SEARCH, A-B Repeat functions.
- You can use Repeat (Track or All), Random functions and Program playback for WMA/JPEG CD Playback.
- In the case of a CD containing a mixture of WMA and JPEG files, the files are played back by selecting them from the file menu.

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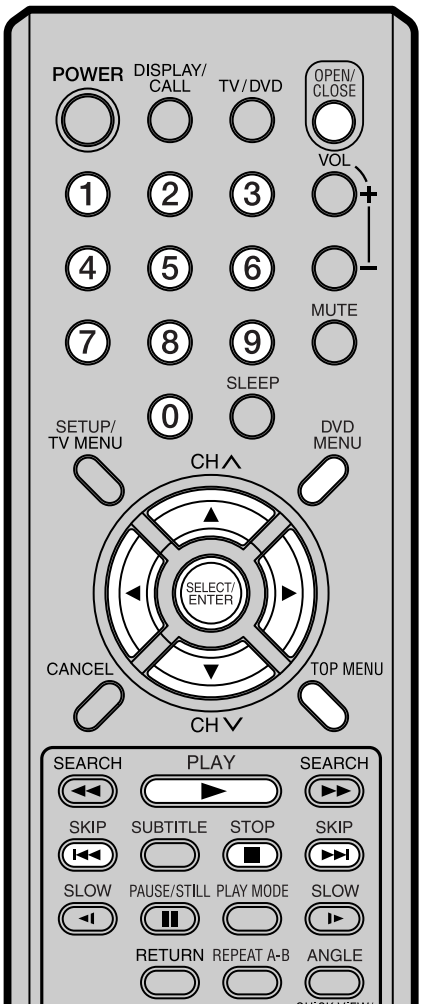
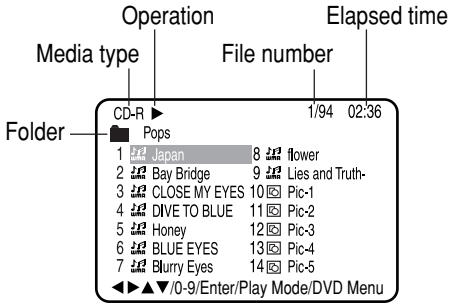


About file menu



: Indicates WMA file

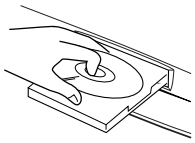
: Indicates JPEG file

Notes:

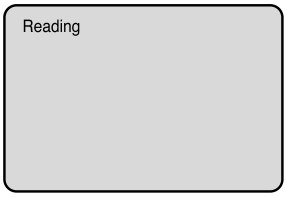
- The picture menu is displayed when the FUJICOLOR CD or the Kodak Picture CD are played. To display the file menu press **TOP MENU**.
- WMA file on the KODAK Picture CD is not recognized on this TV/DVD.

JPEG CD playback

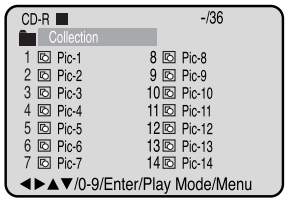
1 Press **OPEN/CLOSE**.
The disc tray will open.
Place a disc on which JPEG files have been recorded onto the tray.



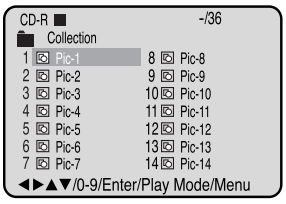
2 Press **OPEN/CLOSE** or ► **(PLAY)**. The disc tray closes automatically. On the TV-screen, "Reading" will appear. Reading will take as much time as the number of file.



3 A file menu screen will appear on the TV screen.
Press ◄/► to select folder.

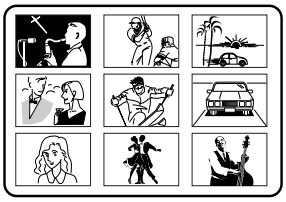


4 Press ▲/▼ or ◄/► or **number buttons (0-9)** to select the desired file.



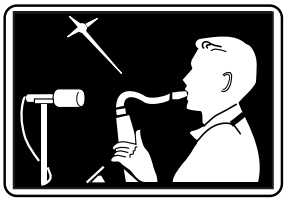
To display a picture menu, press **DVD MENU**. (To return to a file menu, press **TOP MENU**.)
Press ▲/▼ or ◄/► to select the desired file.

- To display next list, press **SKIP** ►►| / |◄◄.



- When ► **(PLAY)** has been pressed after displaying the file menu, or when the disc tray has been closed after pressing ► **(PLAY)** in step 2, playback begins automatically starting from the first file. In this case, if the first file is a JPEG file, the first JPEG file is played back. If the first file is an WMA file, only WMA files are played back in order.

5 Press **ENTER**.
The selected picture appears on the TV screen.



6 Press ■ **(STOP)** to end playback.
The file menu appears on the TV screen.
If you want to watch the other file, repeat steps 4-5.

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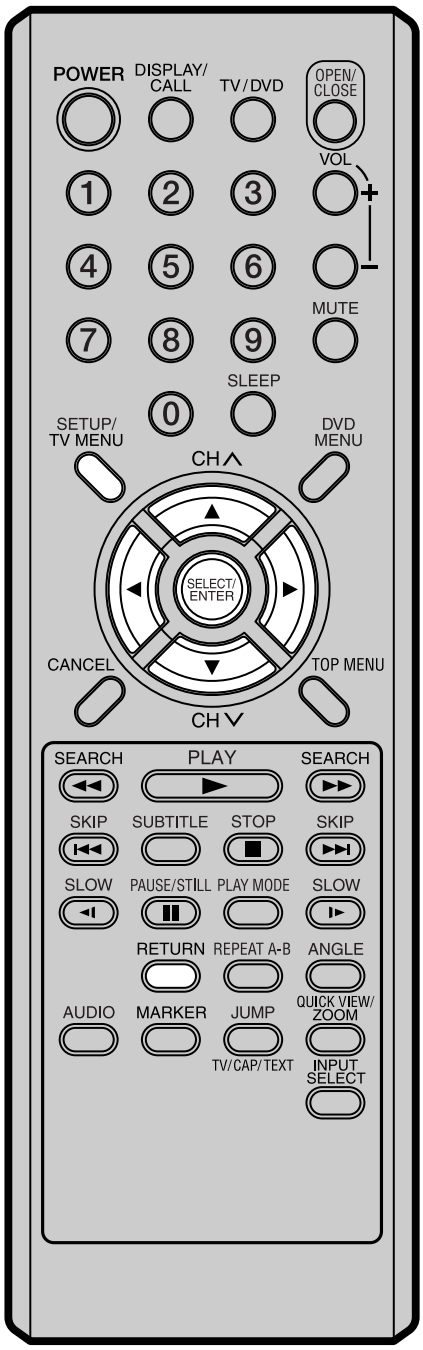
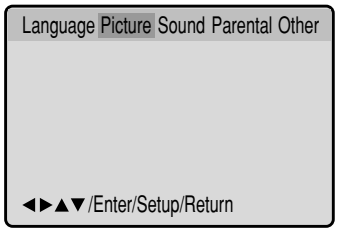


Setting the JPEG Interval

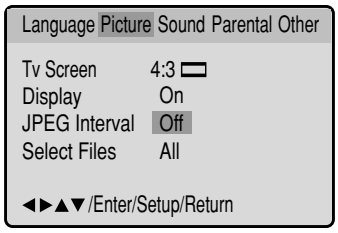
You can continuously play back all JPEG files automatically.

1 Press **SETUP** in the stop mode.

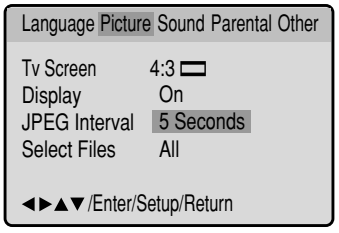
Press ◀ / ▶ to select "Picture", then press ▼ or **ENTER**.



2 Press ▲ or ▼ to select "JPEG Interval".



3 Press **ENTER** or ◀ / ▶ to select your desired time.



Off:
Plays back one file at a time.

5 Seconds:
Plays back images in the form of a slide show at 5 second intervals.

10 Seconds:
Plays back images in the form of a slide show at 10 second intervals.

15 Seconds:
Plays back images in the form of a slide show in 15 second intervals.

4 Press **SETUP** or **RETURN** to remove the MENU screen.

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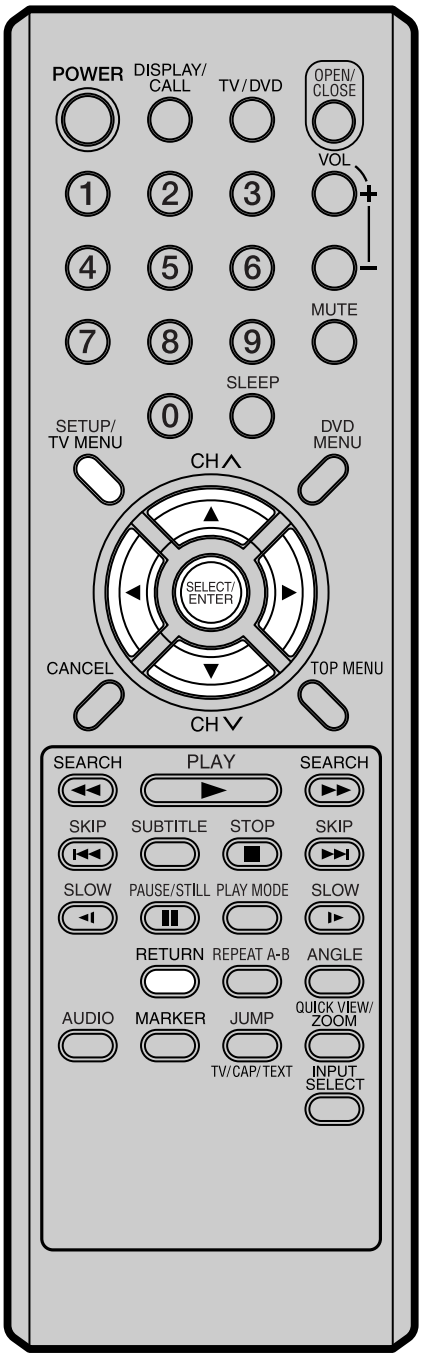
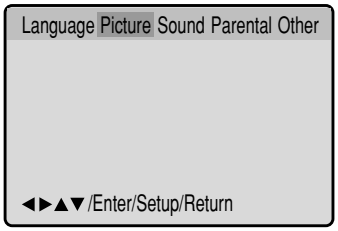
Setting the select files

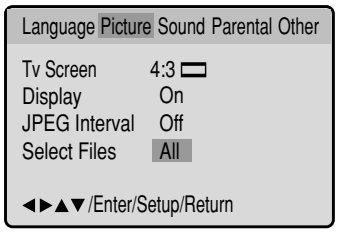
When playing back a CD containing a mixture of WMA and JPEG files, only WMA or JPEG files can be displayed on the file menu.



1 Press **SETUP** in the stop mode. Press ◀ / ▶ to select "Picture", then press ▼ or **ENTER**.



2 Press ▲ or ▼ to select "Select Files".

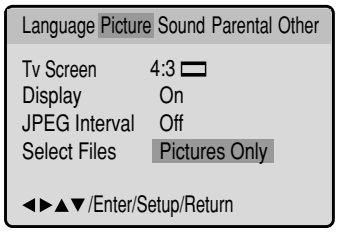


3 Press **ENTER** or ◀ / ▶ to select your desired file type.

All:
Displays all files.

Music Only:
Displays only WMA files.

Pictures Only:
Displays only JPEG files.



4 Press **SETUP** or **RETURN** to remove the MENU screen.

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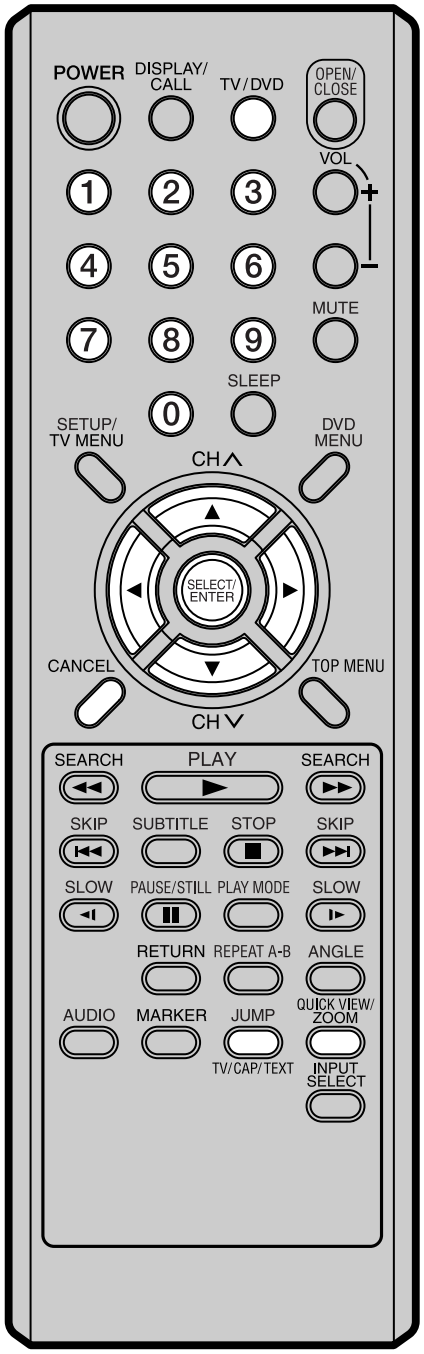
Zooming/Locating desired scene



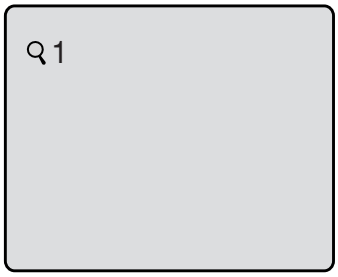
NOTES:

- You can select the Pause, Slow or Search playback in the zoom mode.
- Some discs may not respond to zoom feature.

Zooming

This TV/DVD will allow you to zoom in on the frame image. You can then make selections by switching the position of the frame.

1 Press **TV/DVD** to select the DVD mode.
Press **ZOOM** during playback.
The center part of the image will be zoomed in.
Each press of **ZOOM** will change the ZOOM 1 (x 1.3), 2 (x 1.5) and 3 (x 2.0).



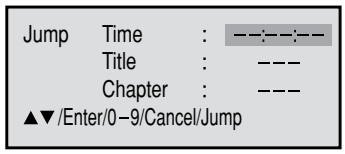
2 Press ▲/▼/◀/▶ to view a different part of the frame.
You may move the frame from the center position to UP, DOWN, LEFT or RIGHT direction.

3 In the zoom mode press **ZOOM** repeatedly to return to a 1:1 view (Off).

Locating Desired Scene

Use the title, chapter and time recorded on the disc to locate the desired point to play back.

1 Press **JUMP** during playback.



2 Press ▲ or ▼ to select the “Time”, “Title” or “Chapter”.

3 Press **number buttons (0–9)** to input the number.

- If you input a wrong number, press **CANCEL**.
- Refer to the package supplied with the disc to check the numbers.

4 Press **ENTER**.

- Playback starts.
- When you change the title, playback starts from Chapter 1 of the selected title.
- Some discs may not work in the above operation.

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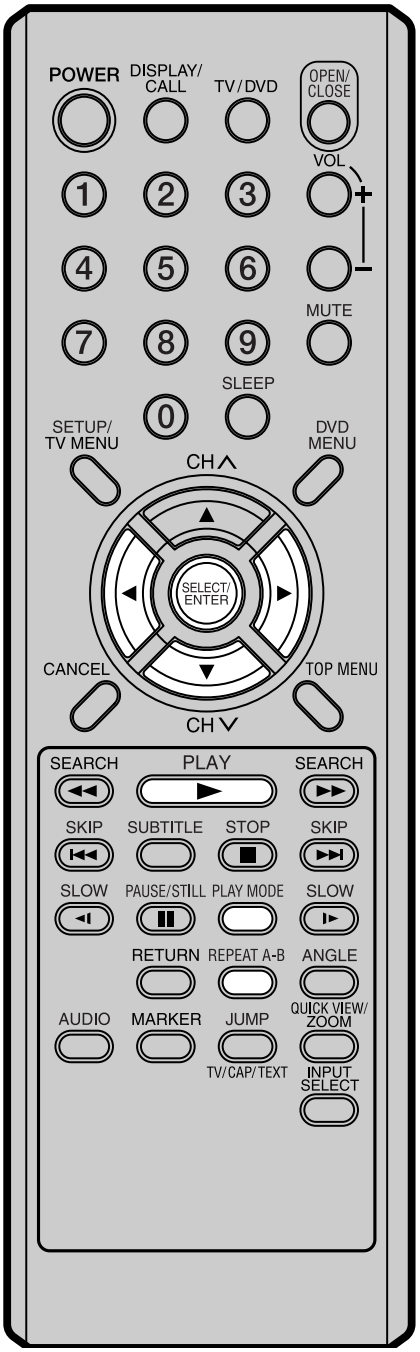
Repeat playback



NOTES:

- Some discs may not work with the repeat operation.
- In A-B repeat mode, subtitles near point A or B may not appear.
- During the A-B Repeat Playback the ANGLE feature will not operate.
- You may not be able to set A-B Repeat, depending on the scenes of the DVD.

Title, Chapter, Track Playback

1 Press **PLAY MODE** during playback or stop mode.

DVD

Repeat : Off
◄►/Enter/Play Mode

CD

Play Mode : Off
Repeat : Off
◄►▲▼/Enter/Play Mode

2 Press ◄ / ► or **ENTER** once or twice to select “Chapter” or “Title”.
In case of CD, at first press ▼ to select “Repeat” and then press ◄ / ► or **ENTER** once or twice to select “Track” or “All”.

DVD

Repeat : Chapter
◄►/Enter/Play Mode

CD

Play Mode : Off
Repeat : All
◄►▲▼/Enter/Play Mode

3 Press **PLAY MODE** again to make the screen disappear.

- Press **PLAY** to start Repeat playback.
- To resume normal playback, select Repeat Off.

A-B Repeat Playback

A-B repeat playback allows you to repeat material between two selected points.

1 Press **REPEAT A-B** during playback.
The start point is selected.

A–

2 Press **REPEAT A-B** again.
The end point is selected.
Playback starts at the point that you selected. Playback stops at the end point, returns to Point A automatically, then starts again.

A–B

To resume normal playback press **REPEAT A-B** again.
“Off” appears on the screen.

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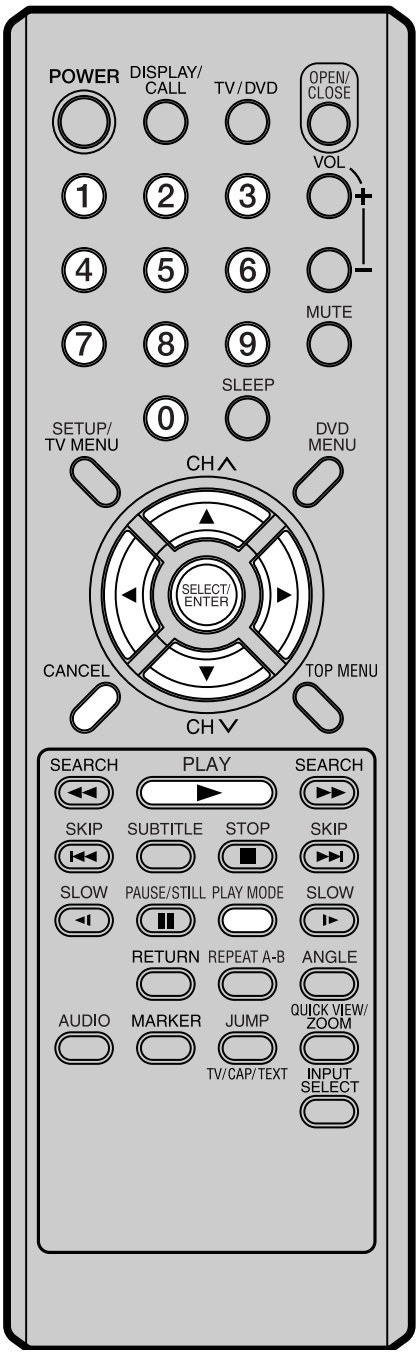
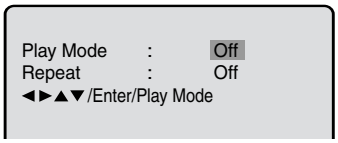
Program playback/Random playback (CD)



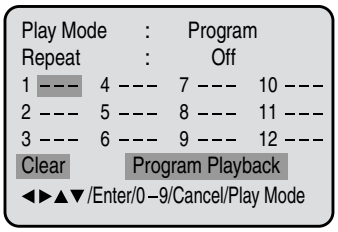
Program playback

You can arrange the order of tracks on the disc.

1 Press **PLAY MODE** in the stop mode.

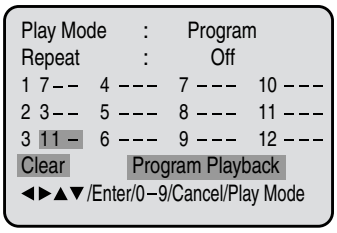


2 Press ▲ or ▼ to select "Play Mode" then press ◄/► or **ENTER** to select "Program".

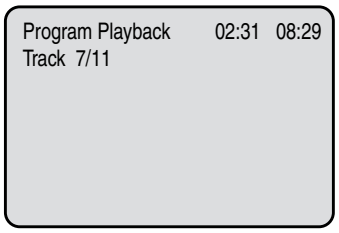


3 **Example:** In case you wish to program in order of 7, 3, 11: Enter as **7** ▼, **3** ▼, **11**.

If you input a wrong number, press **CANCEL**.

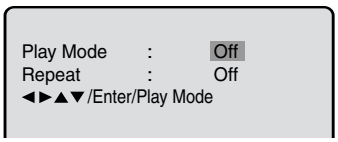


4 Press ▲/▼ or ◄/► to select "Program Playback" and press **ENTER**. "Program Playback" will appear on the screen. The program you selected will begin to playback in the order set. To return to normal playback, select "Play Mode: Off" at step **2** above.

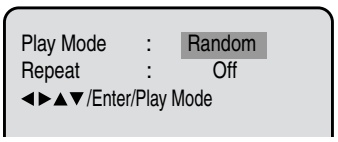


Random playback

1 Press **PLAY MODE** during playback or stop mode.



2 Press ▲ or ▼ to select "Play Mode", then press ◄/► or **ENTER** to select "Random".



3 Press **PLAY**.
"Random Play" will appear on the screen and Random Playback will start.
To return to normal playback, select "Play Mode : Off" at step 2 above.

NOTES:

- To cancel program play, select "Clear" at step **4** and press **ENTER**.
- The program is cancelled when you open the disc tray or turn the power off.
- Random playback can not be combined with Repeat playback.

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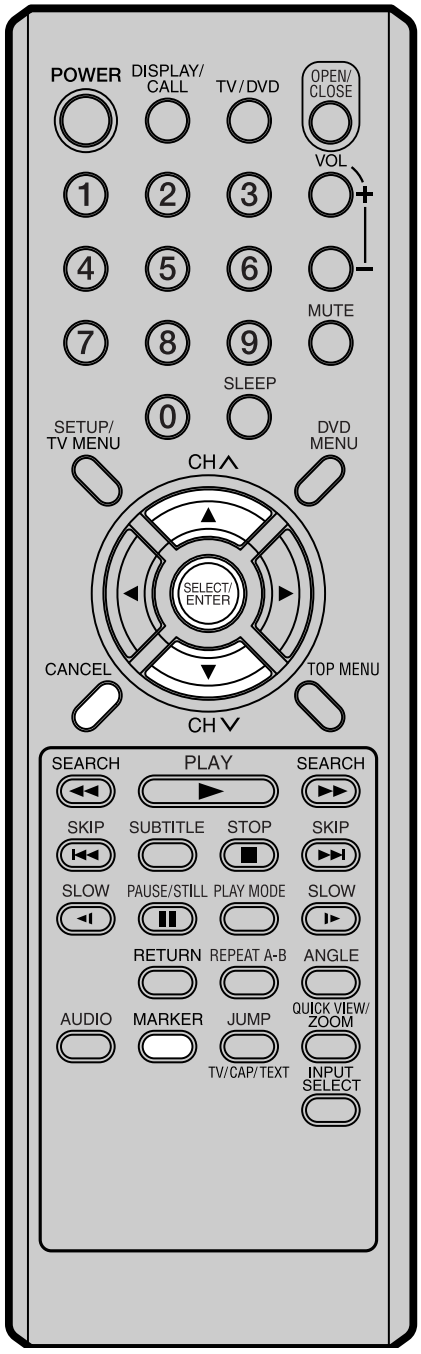
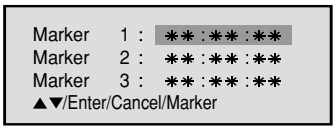
Marking desired scenes

The TV/DVD stores the points that you want to watch again. You can resume playback from that scene.

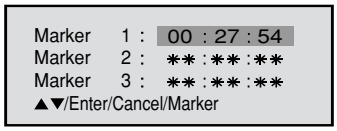


Marking the Scenes

1 Press **MARKER** during playback.



2 Select the blank Marker using ▲/▼, then press **ENTER** at the desired scene.

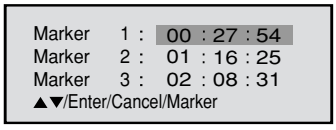


- Up to 3 scenes can be selected.
- Repeat this procedure to set the other 2 scenes.

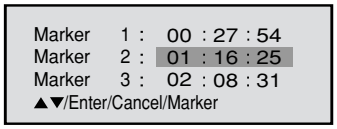
3 Press **MARKER** to remove this display.

Returning to the Scenes

1 Press **MARKER** during playback or stop mode.



2 Press ▲ or ▼ to select the Marker 1-3.



3 Press **ENTER**.
Playback starts from the marked scene.

To Cancel the Mark

1 Press **MARKER**.

2 Press ▲ or ▼ to select the Marker 1-3.

3 Press **CANCEL**.
Press **MARKER** to remove this display.

NOTES:

- The marking is canceled when you open the disc tray or turn the power off.
- Some subtitles recorded around the marker may fail to appear. [DVD]

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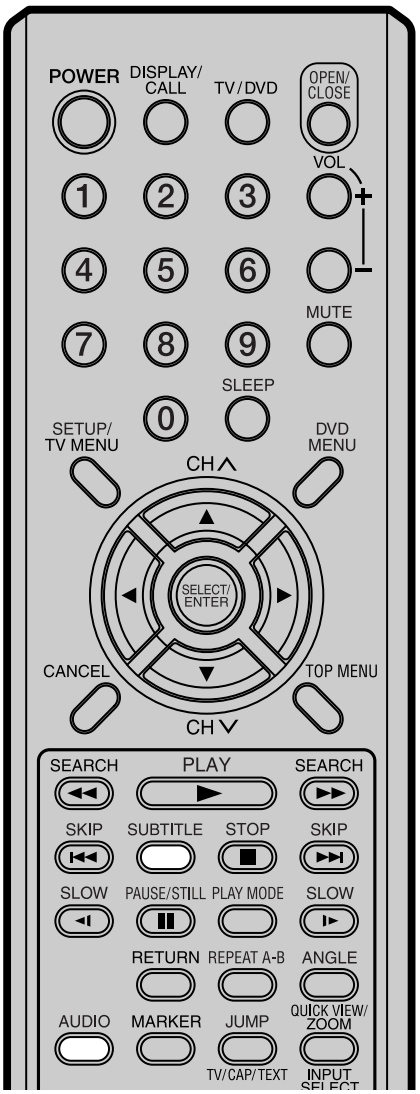
Changing soundtrack language/Subtitles

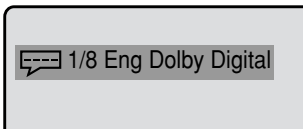


Changing soundtrack language

You can select the language when you play a multilingual disc.

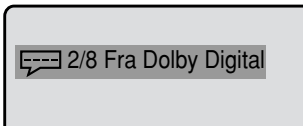
1 Press **AUDIO** during playback.

The current soundtrack language will appear.



2 Press **AUDIO** repeatedly until the desired language is selected.

The on-screen display will disappear after a few seconds.



Subtitles

Turning the Subtitles On and Off

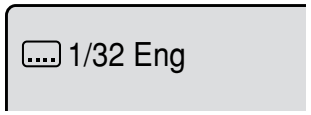
When playing back a disc recorded with subtitles, you can turn the subtitles on or off.

Press **SUBTITLE** during playback until “Off” appears.

Changing the subtitle language

You can select the language when playing back a disc recorded with multi-lingual subtitles.

1 Press **SUBTITLE** repeatedly during playback until your desired language appears.



2 The on-screen display will disappear after a few seconds.

NOTES:

- If the desired language is not heard after pressing the **AUDIO** button several times, the language is not recorded on the disc.
- Changing soundtrack language is cancelled when you open the disc tray. The initial default language or available language will be heard if the disc is played back again.
- Changing subtitle language is cancelled when you open the disc tray.
- Some functions may not work on some DVDs. You may not be able to turn subtitles on or off or change subtitles. While playing the DVD, the subtitle may change when:
  - you open or close the disc tray
  - you change the title.
- In some cases, the subtitle language is not changed to the selected one immediately.

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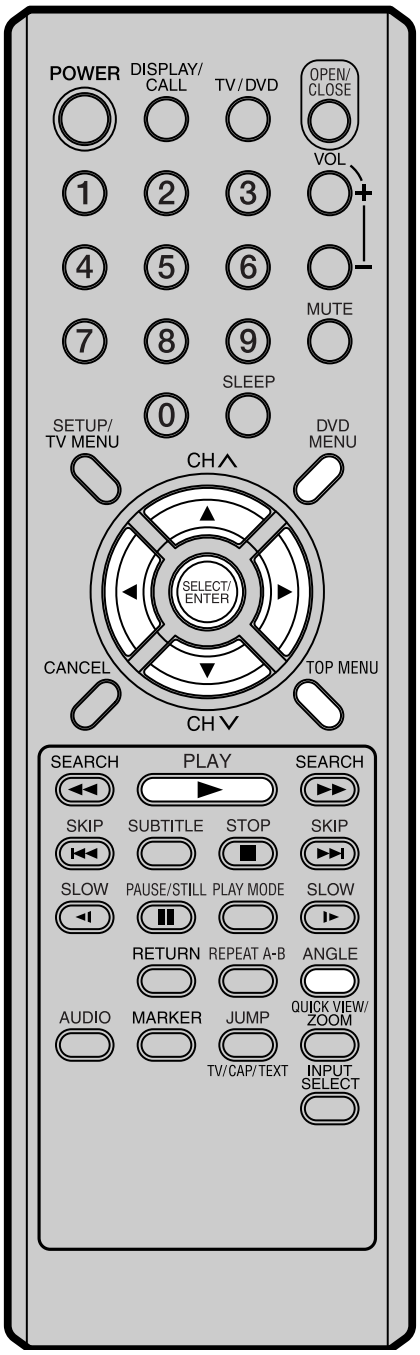
Changing angles/Title selection/DVD menu

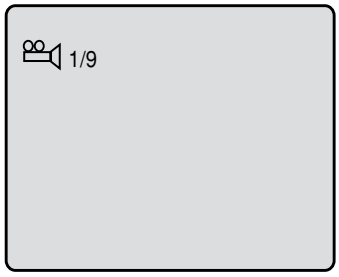


Changing angles

When playing back a disc recorded with multi-angle facility, you can change the view angle.

1 Press **ANGLE** during playback.

The current angle will appear.



2 Press **ANGLE** repeatedly until the desired angle is selected.

Title selection

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

1 Press **TOP MENU** during playback.
Title menu appears on the screen.

2 Press ▲/▼ or ◀/▶ to select the desired title.

3 Press **ENTER** or **PLAY**.
The playback of the selected title will start.

DVD menu

Some DVDs allow you to select the disc contents using the menu.
When you play back these DVDs, you can select the subtitle language and soundtrack language,etc. using the DVD menu.

1 Press **DVD MENU** during playback.
The DVD menu appears on the screen.

- Press **DVD MENU** again to resume playback at the scene when you pressed **DVD MENU**.

2 Press ▲/▼ or ◀/▶ to select the desired item.

3 Press **ENTER**.
The menu continues to another screen. Repeat steps **2** and **3** to set additional items if any.

NOTES:

- Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.
- Depending on the DVD, you may not be able to select the title. Depending on the DVD, a “title menu” may simply be called a “menu” or “title” in the instructions supplied with the disc.

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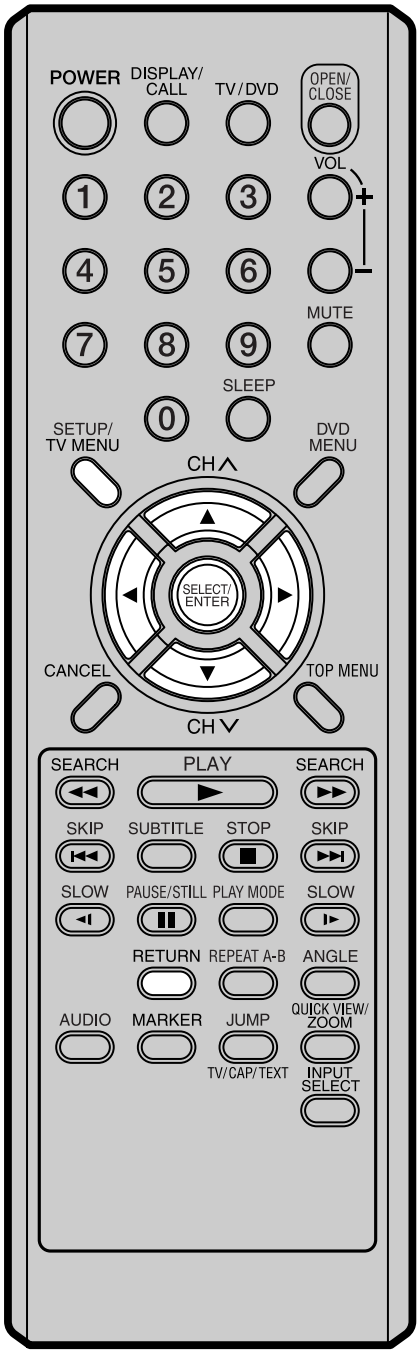
Setting the aspect ratio of TV screen/Setting on screen display

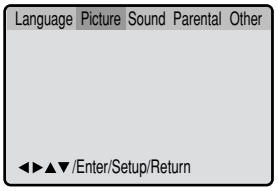


NOTE:
It is not always possible for the DVD disc to display the picture as per your preferred picture setting - for example, if you select “4:3 Panscan”, the disc may not offer this option. In this case the picture would display in whichever format the disc is capable of playing back.

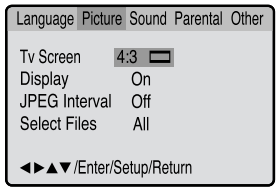
Setting the aspect ratio of TV screen

You can select the aspect ratio of the picture.

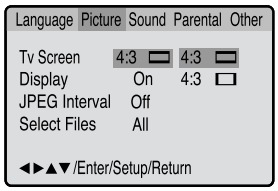
1 Press **SETUP** in the stop mode or No Disc.
Press ◀ or ▶ to select “Picture”.



2 Press ▼ or **ENTER**, then press ▲ or ▼ to select “Tv Screen”.



3 Press ▶ or **ENTER**.
Press ▲ or ▼ to select your desired screen type, then press **ENTER**.



You have the following screen sizes to choose from:

4:3 ▭ Letterbox
When playing back a wide screen-DVD disc, it displays the wide picture with black bands at the top and bottom of screen.

4:3 ▭ Panscan
It displays the wide picture on the whole screen with left and right edges automatically cut off.

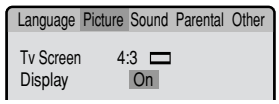
4 Press **SETUP** or **RETURN** to remove the Menu screen.

Status on screen display

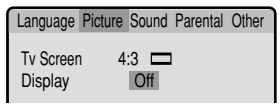
On screen display can be switched on or off when you press the DISPLAY button.

1 Press **SETUP** in the stop mode or No Disc.
Press ◀ or ▶ to select “Picture”.

2 Press ▼ or **ENTER**, then press ▲ or ▼ to select “Display”.



3 Press ▶ or **ENTER** to select “On” or “Off”.



On: On screen displays appear when you press the buttons (factory setting).
Off: On screen displays do not appear when you press any buttons except **SETUP**, **SEARCH MODE**, **PLAY MODE**, **MARKER** and **DISPLAY**.

4 Press **SETUP** or **RETURN** to remove the menu screen.

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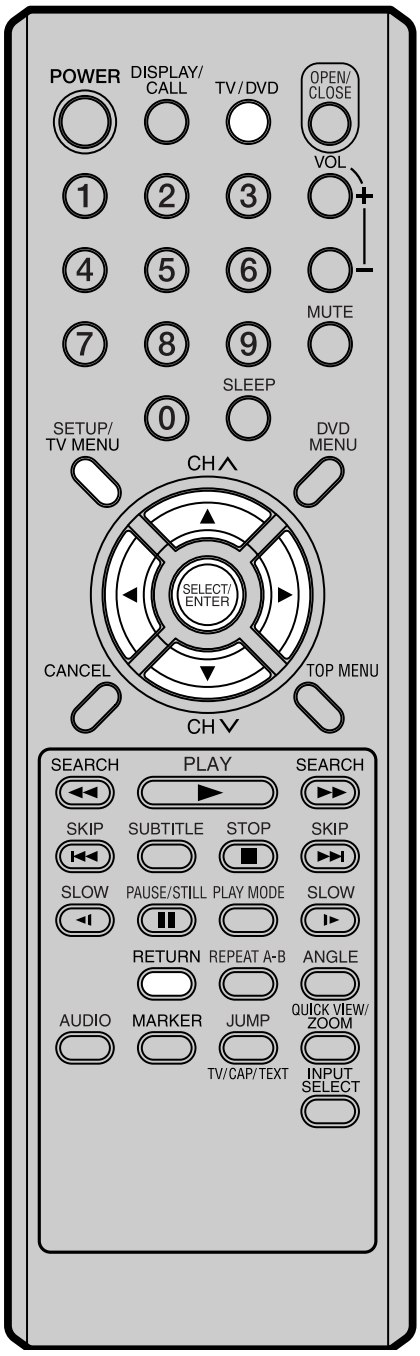
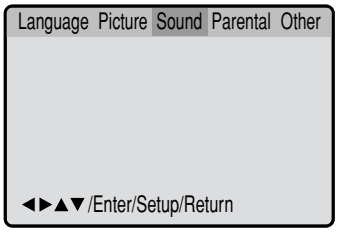
Dynamic Range Control

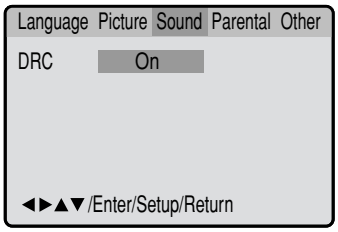
DRC (Dynamic Range Control) enables you to control the dynamic range so as to achieve a suitable sound for your equipment.



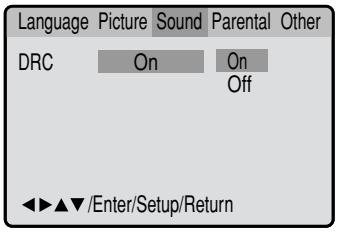
1 Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ◀ or ▶ to select "Sound".



2 Press ▼ or **ENTER** to select "DRC".



3 Press ▶ or **ENTER**, then press ▲ or ▼ to select "On" or "Off".



4 Press **SETUP** or **RETURN** to remove the Menu screen.

NOTES:

- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on DVD video disc.

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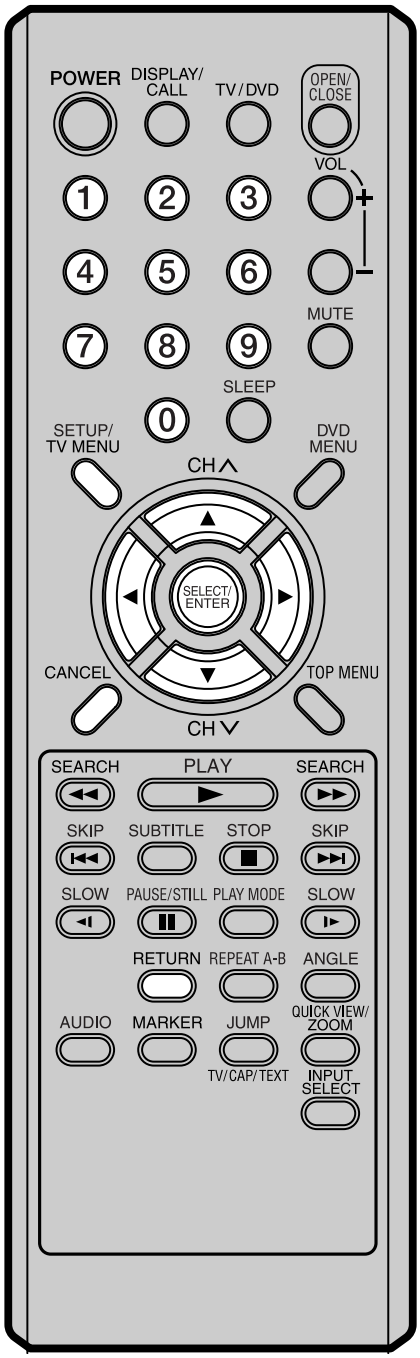
Parental control setting

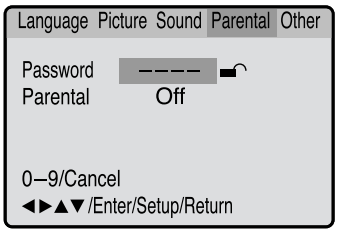
If you want to limit the types of discs that can be played, use the Parental Control feature.



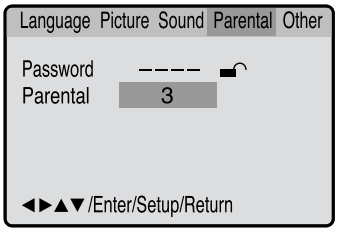
NOTES:

- **If each setup (P.28,33~34,41~44, 46~48) has been completed, the TV/DVD can always be worked under the same conditions (especially with DVD discs).**
  Each setup will be retained in the memory when you turn the power off.
- Depending on the discs, the TV/DVD cannot limit playback.
- Some discs may not be encoded with specific rating level information though its disc jacket says “adult.” For those discs, the age restriction will not work.

1 Press **SETUP** in the stop mode or No Disc.
Press ◀ or ▶ to select “Parental”. Then press ▼ or **ENTER**.

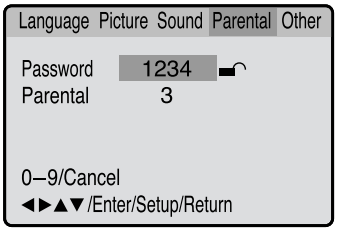


2 Press ▲ or ▼ to select “Parental”, then press ◀ or ▶ until the level you require appears.

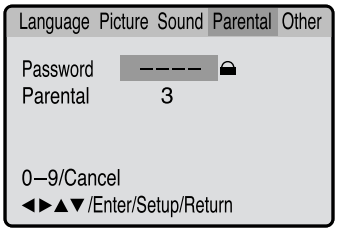


- **Level Off :** The parental control setting does not function.
- **Level 8 :** Virtually all DVD software can be played back.
- **Level 1 :** DVD software for adults cannot be played back.
- Select from level 1 to level 8. The limitation will be more severe as the level number decreases.

3 Press ▲ or ▼ to select “Password”.
Press **number buttons (0-9)** to input a 4-digit password. Be sure to remember this number!
- If you input a wrong number, press **CANCEL**.



4 Press **ENTER** to store the password.
NOTE: Now the rating is locked and the setting cannot be changed unless you enter the correct password.



5 Press **SETUP** or **RETURN** to remove the Menu screen.

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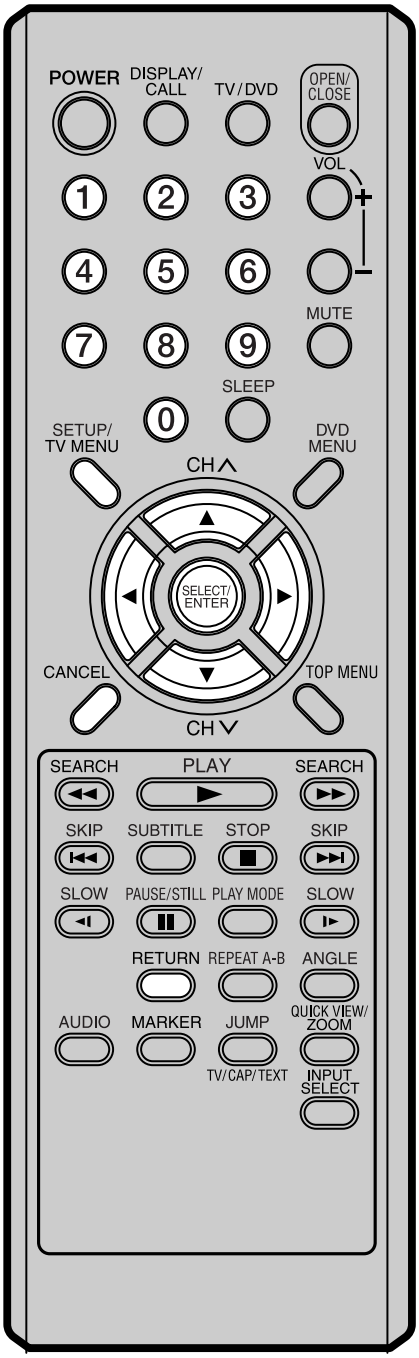
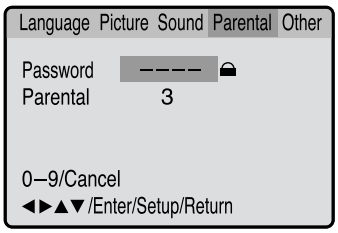
Changing the parental level

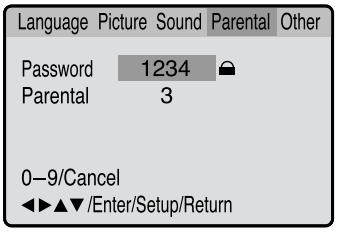


Note:
If you forget the password....
In the No Disc DVD mode, press and hold **STOP** on the unit, and simultaneously press and hold **7** on the remote control for more than 3 seconds. "PASSWORD CLEAR" appears on the screen. The password has been cleared.

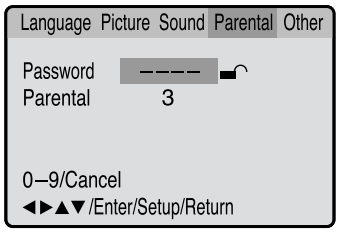
1 Press **SETUP** in the stop mode or No Disc.
Press ◀ or ▶ to select "Parental". Then press ▼ or **ENTER**.



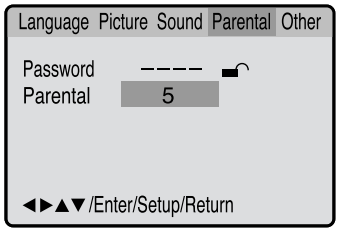
2 Press **number buttons (0-9)** to enter the password you have stored.
• If you input a wrong number, press **CANCEL**.



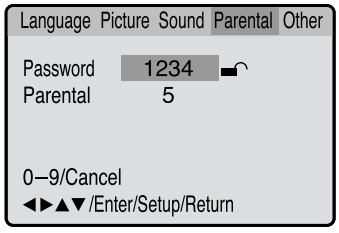
3 Press **ENTER**.
The rating is now unlocked.



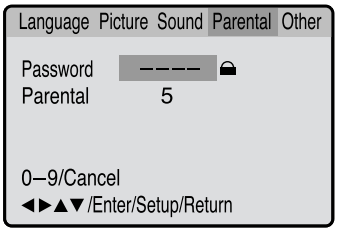
4 Press ▲ or ▼ to select "Parental", then press ◀ or ▶ to change the parental level.



5 Press ▲ or ▼ to select "Password", then press **number buttons (0-9)** to enter the password.
NOTE: You can change the password at this time if you want.



6 Press **ENTER**.
The parental level is changed and locked.



7 Press **SETUP** or **RETURN** to remove the Menu screen.

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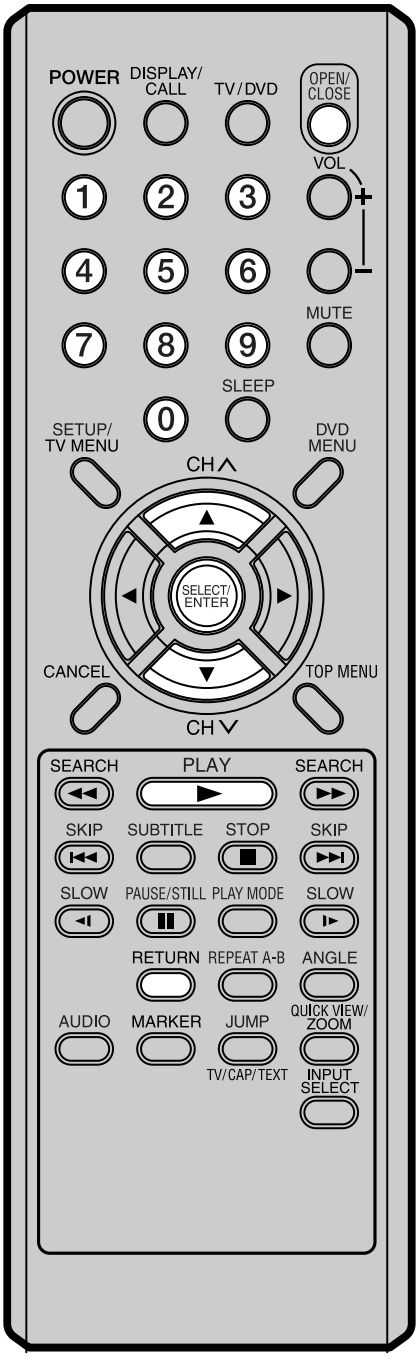
Temporary disabling of rating level by DVD disc

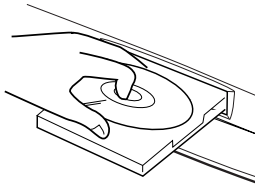
Depending on the DVD disc, the disc may try to temporarily cancel the rating level that you have set. It is up to you to decide whether to cancel the rating level or not.



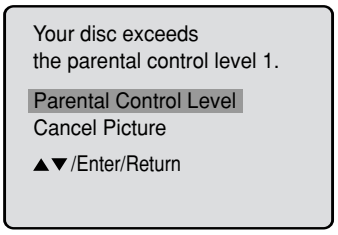
NOTE:

This temporary cancellation of rating level will be kept until the disc is ejected. When the disc is ejected, the original rating level will be set again automatically.

1 Load a DVD disc and press **PLAY** or **OPEN/CLOSE** (see page 29).

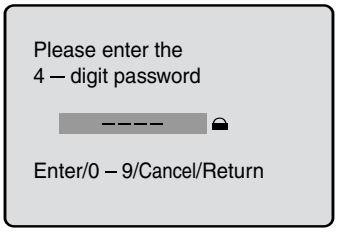


2 If the DVD disc has been designed to temporarily cancel the Rating level, the screen which follows the “Reading” screen will change, depending on which disc is played. If you select “YES” with **ENTER** key, “Your disc exceeds the parental control level 1.” (e.g.) screen will then appear.



3 If you wish to cancel the set rating level temporarily, select “Parental Control Level” with ▲ or ▼, then press **ENTER**. If the 4-digits password at step **3** on page 43 has been set, the password entering screen will appear as shown in step **4** below.
Alternatively, if the password has not been set, playback will commence. If you don’t know (or have forgotten) the password, select “Cancel Picture”.
The setting screen will disappear. Press **OPEN/CLOSE** to remove the disc.

4 Enter the password with **number buttons (0-9)**.
Then press **ENTER**.
If you interrupt the entering, press **RETURN**.



5 Playback will commence if the entered password was correct.

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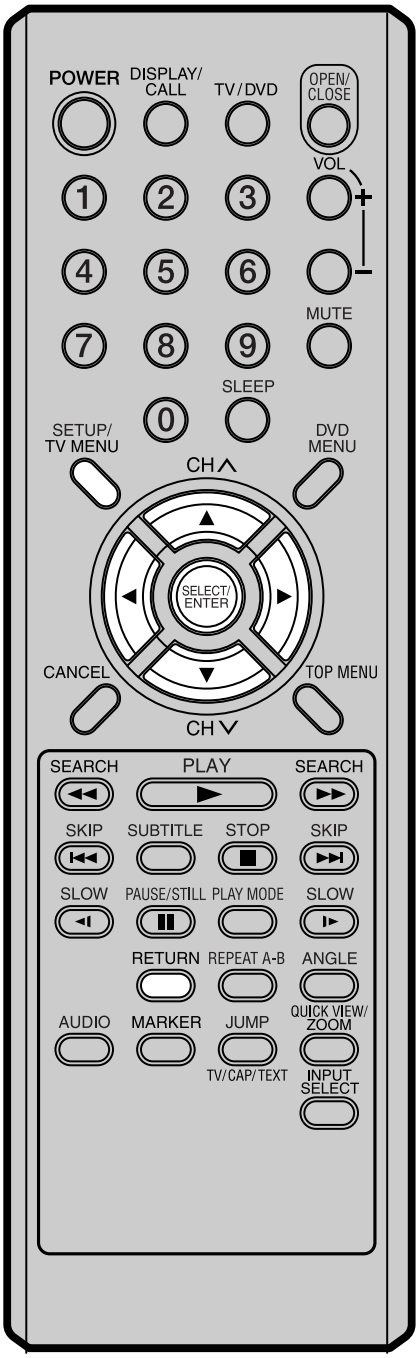
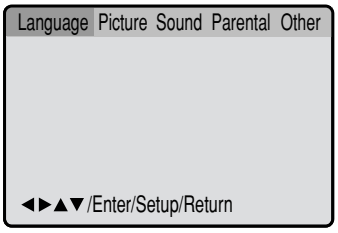
Setting menu language

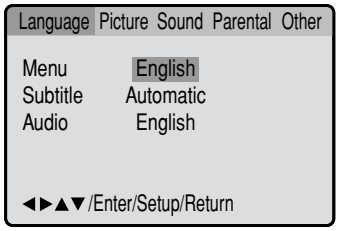
You can select the language of the disc menu messages of DVDs.



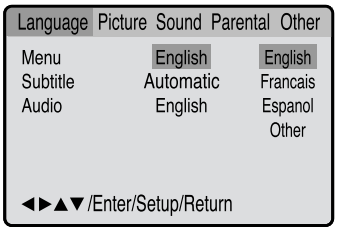
1 Press **SETUP** in the stop mode.
Press ◀ or ▶ to select "Language".



2 Press ▼ or **ENTER**.
Then press ▲ or ▼ to select "Menu".



3 Press ▶ or **ENTER**.
Press ▲ or ▼ to select your desired language, then press **ENTER**.



English, Francais, Espanol :
The selected language will be heard or seen.

Other:
Other language can be selected (see the "Language code list" on page 49).

4 Press **SETUP** or **RETURN** to remove the menu screen.

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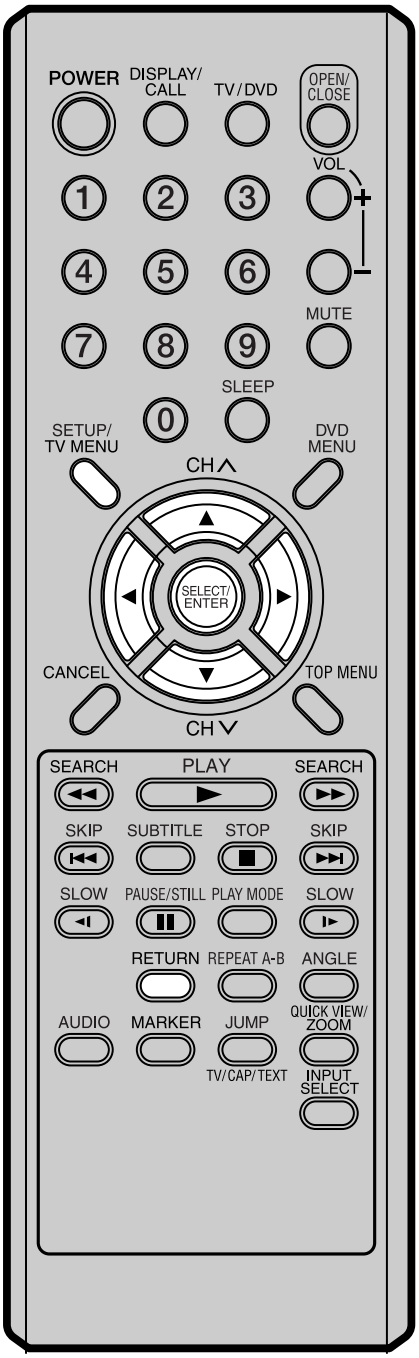
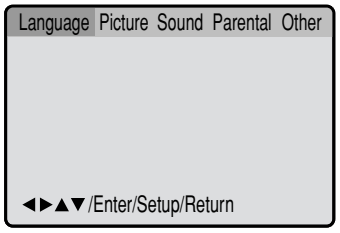
Setting subtitle language

The same subtitle language can always be selected even if you replace the disc or turn the power off.

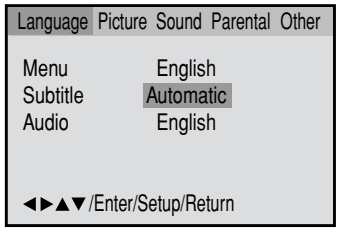


NOTE:
If the selected language is not recorded on the disc, the first-priority language is selected.

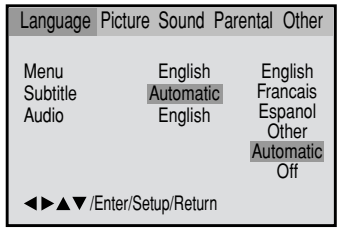
1 Press **SETUP** in the stop mode. Press ◀ or ▶ to select "Language"



2 Press ▼ or **ENTER**.
Then press ▲ or ▼ to select "Subtitle".



3 Press ▶ or **ENTER**.
Press ▲ or ▼ to select your desired language, then press **ENTER**.



English, Francais, Espanol:
The subtitle is displayed with the selected language if it is recorded on the disc.

Other:
If you want to select another language, enter the language code (See the Language code list on page 49).

Automatic:
- The TV/DVD will automatically select the same language in the AUDIO setting.
- When the TV/DVD selects the same language as the AUDIO, the subtitles will not appear during playback.
- When you do not use the same language as the AUDIO, the subtitles will appear during playback.

Off:
Subtitles do not appear.

4 Press **SETUP** or **RETURN** to remove the Menu screen.

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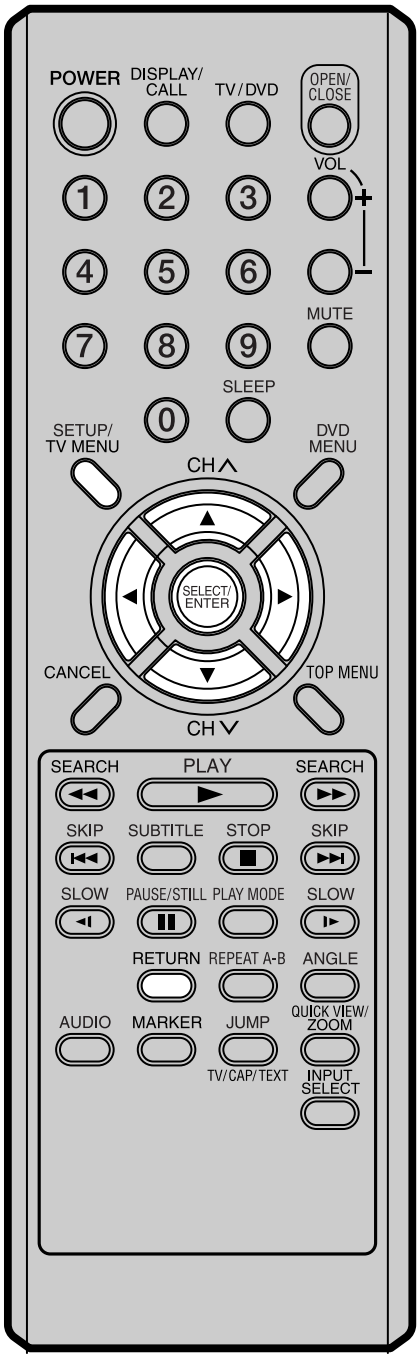
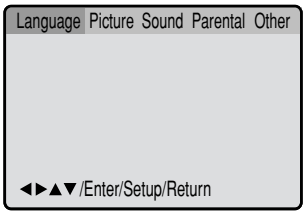
Setting audio soundtrack language

The same audio soundtrack language can always be selected by your TV/DVD even if you replace the disc or turn the power off.

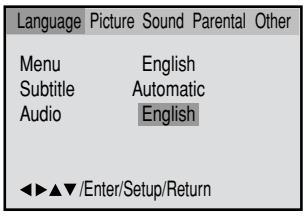


NOTE:
If the selected language is not recorded on the disc, the original language will be heard.

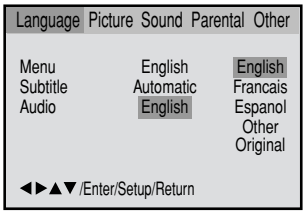
1 Press **SETUP** in the stop mode.
Press ◀ or ▶ to select "Language"



2 Press ▼ or **ENTER**.
Then press ▲ or ▼ to select "Audio".



3 Press ▶ or **ENTER**.
Press ▲ or ▼ to select your desired Audio Language, then press **ENTER**.



English, Francais, Espanol:
The language you have selected will play if it is recorded on the disc.

Other:
If you want to select another language, enter the language code (See the Language code list on page 49).

Original:
The TV/DVD will select the first priority language of each disc.

4 Press **SETUP** or **RETURN** to remove the Menu screen.

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Language code list

Enter the appropriate code number for the initial settings “AUDIO”, “SUBTITLE” and/or “MENU LANGUAGE” (see pages 46~48).

Language Name	Code	Language Name	Code	Language Name	Code	Language Name	Code
Abkhazian	1112	Fiji	1620	Lingala	2224	Singhalese	2919
Afar	1111	Finnish	1619	Lithuanian	2230	Slovak	2921
Afrikaans	1116	French	1628	Macedonian	2321	Slovenian	2922
Albanian	2927	Frisian	1635	Malagasy	2317	Somali	2925
Amharic	1123	Galician	1722	Malay	2329	Spanish	1529
Arabic	1128	Georgian	2111	Malayalam	2322	Sundanese	2931
Armenian	1835	German	1415	Maltese	2330	Swahili	2933
Assamese	1129	Greek	1522	Maori	2319	Swedish	2932
Aymara	1135	Greenlandic	2122	Marathi	2328	Tagalog	3022
Azerbaijani	1136	Guarani	1724	Moldavian	2325	Tajik	3017
Bashkir	1211	Gujarati	1731	Mongolian	2324	Tamil	3011
Basque	1531	Hausa	1811	Nauru	2411	Tatar	3030
Bengali; Bangla	1224	Hebrew	1933	Nepali	2415	Telugu	3015
Bhutani	1436	Hindi	1819	Norwegian	2425	Thai	3018
Bihari	1218	Hungarian	1831	Oriya	2528	Tibetan	1225
Breton	1228	Icelandic	1929	Panjabi	2611	Tigrinya	3019
Bulgarian	1217	Indonesian	1924	Pashto, Pushto	2629	Tonga	3025
Burmese	2335	Interlingua	1911	Persian	1611	Turkish	3028
Byelorussian	1215	Irish	1711	Polish	2622	Turkmen	3021
Cambodian	2123	Italian	1930	Portuguese	2630	Twi	3033
Catalan	1311	Japanese	2011	Quechua	2731	Ukrainian	3121
Chinese	3618	Javanese	2033	Rhaeto-Romance	2823	Urdu	3128
Corsican	1325	Kannada	2124	Romanian	2825	Uzbek	3136
Croatian	1828	Kashmiri	2129	Russian	2831	Vietnamese	3219
Czech	1329	Kazakh	2121	Samoan	2923	Volapük	3225
Danish	1411	Kirghiz	2135	Sanskrit	2911	Welsh	1335
Dutch	2422	Korean	2125	Scots Gaelic	1714	Wolof	3325
English	1524	Kurdish	2131	Serbian	2928	Xhosa	3418
Esperanto	1525	Laothian	2225	Serbo-Croatian	2918	Yiddish	2019
Estonian	1530	Latin	2211	Shona	2924	Yoruba	3525
Faroese	1625	Latvian, Lettish	2232	Sindhi	2914	Zulu	3631

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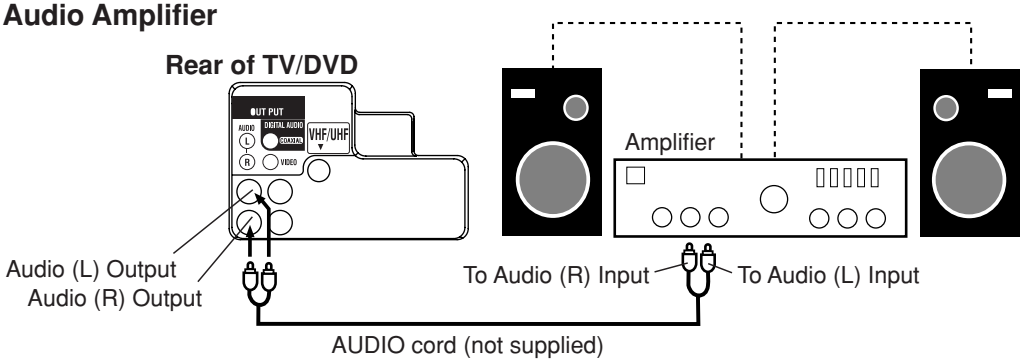
Connections to other equipment

The exact arrangement you use to interconnect various video and audio components to this TV/DVD is dependent on the model and features of each component. Check the Owner's Manual provided with each component for the location of video and audio inputs and outputs.

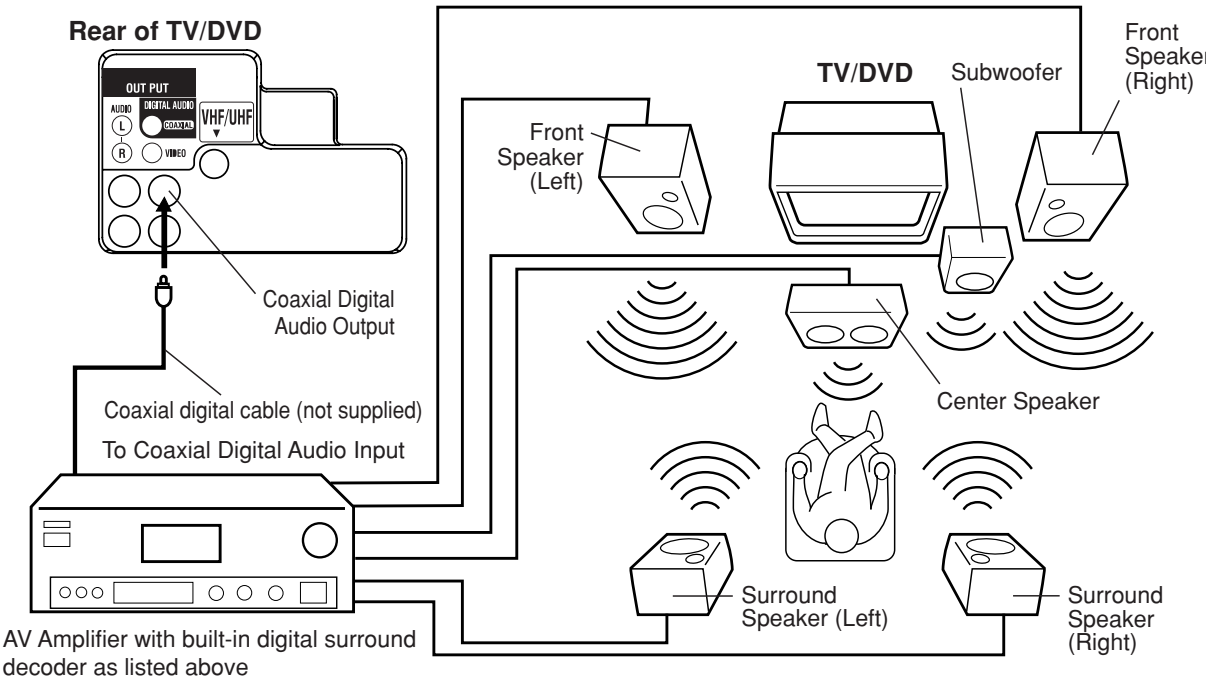
Using an Audio Amplifier



Using an AV Amplifier with built-in digital surround

If you are using an Amplifier with a built-in digital surround as follows, you can enjoy the various audio systems including Dolby Digital Surround audio that sounds just like the movie.

Connect an AV amplifier with built-in Dolby Digital decoder, DTS decoder, MPEG decoder or etc as shown below.



* Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

* “DTS” and “DTS Digital Out” are trademarks of Digital Theater Systems, Inc.

NOTES:

- When you make the connection above, on the AV Amplifier, do not set DOLBY DIGITAL to DOLBY DIGITAL, or MPEG to MPEG “ON”. If you do, a loud noise will emit from the speakers possibly causing damage to your hearing or to the speakers.
- Some DTS decoders which do not support DVD-DTS interface may not work properly with the TV/DVD.

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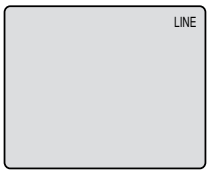
Using the audio/video inputs

If you connect this TV/DVD to VCR, camcorder or TV game console, you can select by pressing **INPUT SELECT**.

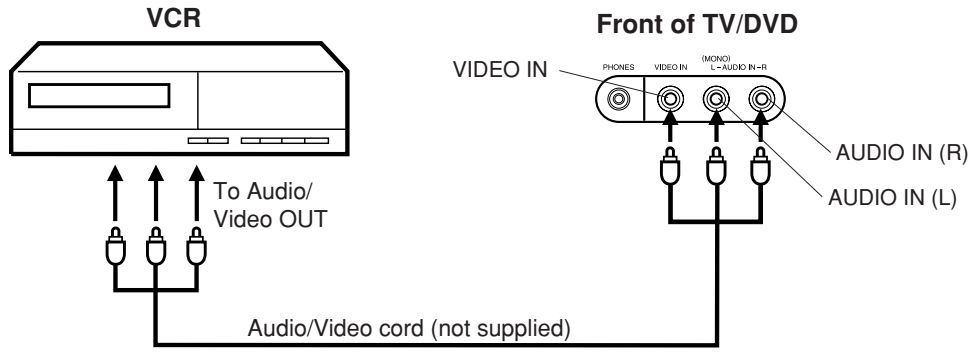
Press **INPUT SELECT** repeatedly to select the desired mode.
"LINE" or TV channel will display on the screen.



NOTE:
In the DVD mode this key will not operate.

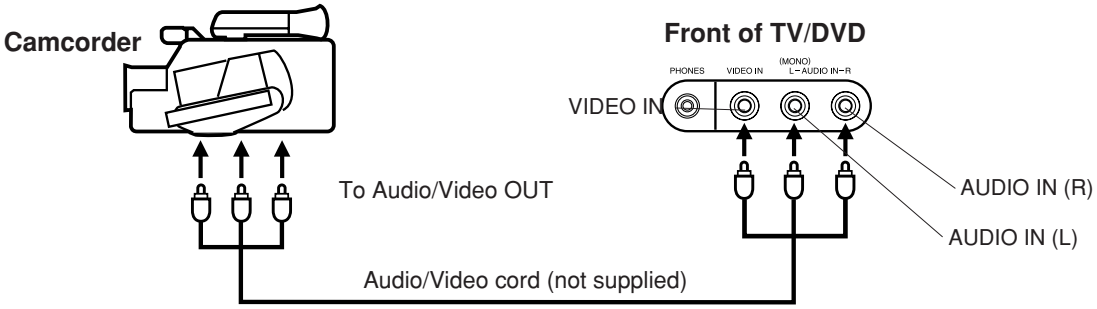
1. To connect the TV/DVD to a VCR

Press the **INPUT SELECT** to select the desired mode to use the TV as a monitor.
Operate your VCR as usual.



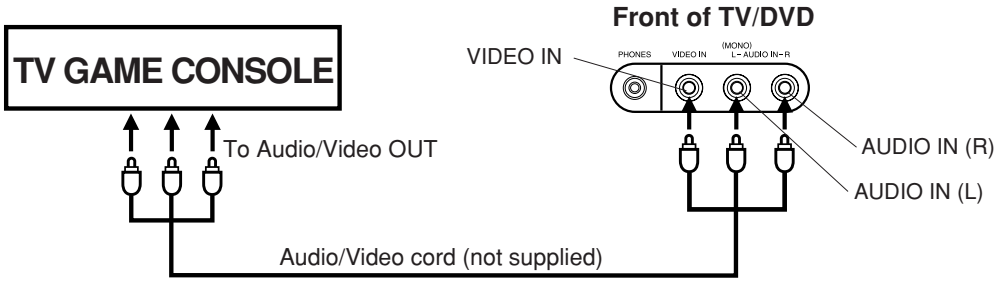
2. To connect the TV/DVD to a camcorder

To playback from the camcorder, connect the camcorder to the TV/DVD as shown.



3. To connect the TV/DVD to a TV Game Console

The TV/DVD can also be used as a display device for many video games. However, due to the wide variety of different types of signal generated by these devices and subsequent hook-up variations required, they have not all been included in the suggested connection diagrams. You'll need to consult each component's Owner's Manual for additional information.



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Problems and troubleshooting

Use the following check list for troubleshooting when you have problems with your TV/DVD. Consult your local dealer or service outlet if problems persist.
Be sure all connections are properly made when using with other units.

SYMPTOMS	POSSIBLE SOLUTIONS	PAGE
POWER		
TV/DVD does not operate.	• Make sure the power cord is plugged in. • Try another AC outlet. • Power is off, check fuse or circuit breaker. • Unplug TV/DVD, then plug it back in.	11,12
TV BROADCAST RECEPTION		
Poor sound or No sound.	• Station or CABLE experiencing problems, tune to another station. • Check Volume adjustments.	15 15
Poor picture or No picture.	• Station or CABLE experiencing problems, tune to another station. • Check antenna or CABLE connections, reorient antenna. • Check picture control adjustments.	15 12,13 23
Poor reception on some channels.	• Station or CABLE experiencing problems, tune to another station. • Station signal is weak, reorient antenna to receive weaker station.	15 12,13
Poor color or no color.	• Station or CABLE experiencing problems, tune to another station. • Make sure channels are set into memory. • Check picture control adjustments. • Check antenna or CABLE connections, reorient antenna.	15 19 23 12,13
Picture wobbles or drifts.	• Station or CABLE experiencing problems, tune to another station. • Make sure channels are set into memory. • CABLE company is scrambling signal. • Check antenna orientation.	15 19 – 12
No Cable TV reception.	• Check all CABLE connections. • Set TV/CABLE menu option to the CABLE mode. • Station or CABLE system problems, try another station.	13 18 15
Horizontal or diagonal bars on screen.	• Check antenna connections, reorient antenna.	12,13
No reception above channel 13.	• Make sure TV/CABLE menu option is in the appropriate mode. • If using antenna, check UHF antenna connections.	18 12
TV shuts off.	• No broadcast on station tuned. • Sleep Timer is set. • Power interrupted.	19 16 –
Closed - Caption is not activated.	• TV station experiencing problems or program tuned is not closed captioned. Try another channel. • Check CABLE connection or VHF/UHF antenna, reposition or rotate antenna. • Press TV/CAP/TEXT button to turn on the closed caption decoder.	15 12,13 17
Display is not shown in your language.	• Select proper language in the menu options.	14

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SYMPTOMS	POSSIBLE SOLUTIONS	PAGE
DVD		
Playback doesn't start.	• No disc is inserted. • The disc may be dirty. Clean up the disc. • The TV/DVD cannot play CD-ROMs, etc.	29 26 6,26
No picture.	• TV/DVD selector is not set correctly.	27
No sound.	• Check the input selector of the amplifier is set properly. • The TV/DVD is in the Special playback mode. • Select the correct Audio Output position on AV amplifier.	– 30 50
Picture is distorted during CUE or REVIEW.	• The picture will be distorted occasionally.	–
Stopping playback, search, slow-motion play, repeat play, or program play, etc. cannot be performed.	• Some discs may not do some of the functions.	–
No 4:3 picture.	• The setup does not match your TV.	41
No on-screen display.	• Select Display On.	41
No surround sound.	• The setup does not match your stereo system.	50
The TV/DVD or remote operation key is not functioning.	• Turn off the TV/DVD and unplug the AC power cord for several minutes, then replug it.	–
Playback does not start when the title is selected.	• Check the RATING LEVEL setup.	43~45
Audio soundtrack and/or subtitle language is not changed when you play back a DVD.	• Multilingual language is not recorded on the DVD disc.	46~48
No subtitle.	• Some discs have no subtitles. • Subtitles are cleared. Press **SUBTITLE**.	39
Angle cannot be changed.	• Multi-angles are not recorded on the DVD disc.	40
"✋" appears on the screen.	• The function is prohibited with the TV/DVD or the disc.	29
REMOTE CONTROL		
The remote control does not function.	• Aim at the remote control at the remote sensor. • Operate within Approx. 5 Meters or reduce the light in the room. • Clear the path of the beam. • The batteries are weak. Replace the batteries. • Check the batteries are inserted correctly.	11

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Specifications

GENERAL

Power supply:	AC 120 V 60 Hz DC 12V
Power consumption:	Operation: 55 W (AC 120V, DC 12V) Stand by: 5 W (AC 120V, DC 12V)
Weight:	17.6 lbs (8.0 kg)
Dimensions:	Width : 10-15/16 inches (278 mm) Height: 12-1/4 inches (311.5 mm) Depth : 12-5/16 inches (312.5 mm)
Operating temperature:	5°C - 40°C
Operating humidity:	Less than 80%

TELEVISION

Picture tube:	9” (228.6 mm diagonal)
Tuner type:	Quartz PLL Frequency Synthesized
Receiving channels:	VHF 2-13 UHF 14-69 Cable TV 14-36 (A)-(W) 37-59 (AA)-(WW) 60-85 (AAA)-(ZZZ) 86-94 (86)-(94) 95-99 (A-5)-(A-1) 100-125 (100)-(125) 01 (5A)
Antenna input:	VHF/UHF In 75 ohm coaxial
Speaker:	3" (76.2 mm) 8 ohm x 2
Audio output power:	1.2 W + 1.2 W

DVD/CD player

Signal system:	NTSC
Applicable disc:	1. DVD (12 cm, 8 cm) 2. CD (12 cm, 8 cm)
Audio characteristics frequency response:	DVD: 4 Hz - 22K Hz CD: 4 Hz - 20K Hz
S/N Ratio:	90 dB
Harmonic distortion:	0.06%
Wow and flutter:	Below Measurable Level
Input/Output:	Inputs : Video : (RCA) 1 Vp-p/75 ohm Audio : (RCA) –8 dBm/50K ohm Output : Video : (RCA) 1 Vp-p/75 ohm Audio : (RCA) –12 dBm/1K ohm
Digital audio out:	0.5 Vp-p 75 ohms terminated
Pickup:	CD : Wavelength: 775 - 815 nm Maximum output power: 0.5 mW DVD : Wavelength: 650 - 666 nm Maximum output power: 2.0 mW

ACCESSORIES:

Remote control
Batteries (AAA) x 2
Telescopic Antenna
12V DC Car Cord

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RCA TV/DVD Combination Limited Warranty

What your warranty covers:
- Defects in materials or workmanship.

For how long after your purchase:
- 90 days from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm whichever comes first.

What we will do:
Pay an Authorized RCA Television Service Center the labor charges to repair your unit.

Pay an Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your unit.

How you get service:
- For screen sizes of 26” and smaller: Take your RCA unit to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 26”: Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your unit is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, look in the Yellow Pages, visit , or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:
- Customer instruction. (Your Owner’s Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your TV/DVD.
- Damage from misuse or neglect.
- Batteries.
- Images burnt onto the screen.
- A TV/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A unit purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

Product Registration:
- Please complete the online Product Registration on or complete and mail the Product Registration Card packed with your unit. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

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Limitation of Warranty:
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How state law relates to this warranty:
Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:
This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty.
Costs of such service calls are the sole responsibility of the purchaser.

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